

NOAA Technical Memorandum

NMFS-SEFC-139



CATCH AND EFFORT DATA FROM A SAMPLE
SURVEY OF CHARTERBOAT CAPTAINS IN
THE SOUTHEASTERN UNITED STATES, 1983

Mark L. Williams

Harold A. Brusher

Barbara J. Palko

Lee Trent

May 1984

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Southeast Fisheries Center
Panama City Laboratory
3500 Delwood Beach Road
Panama City, Florida 32407-7499

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MARK L. WILLIAMS

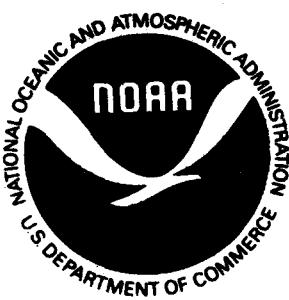
HAROLD A. BRUSHER

BARBARA J. PALKO

LEE TRENT

ERRATA

1. Logged catch and effort from South Carolina for April 21, 1983, and for zone 2 on May 28, 1984, should be deleted from Appendix Table 3 and added to Appendix Table 4.
2. On page 2, "July 25" should be "May 12".



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Malcolm Baldrige, Secretary
National Oceanic and Atmospheric Administration
John V. Byrne, Administrator
National Marine Fisheries Service
William G. Gordon, Assistant Administrator for Fisheries

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INTRODUCTION

A sample survey of recreational-fishing catch and effort of charterboats in the southeastern United States was conducted by personnel of the National Marine Fisheries Service (NMFS), Southeast Fisheries Center, Panama City Laboratory, during 1983. The 1983 survey followed a pilot study in 1982 in which nine captains, who conducted chartered fishing trips off the southeastern United States coast, were contracted to provide daily records of their catch and effort (Williams, Brusher, and Trent. 1984. NOAA Tech. Mem. NMFS-SEFC-129). Since the pilot study was successful, coverage was expanded in 1983. The purpose of this report is to make the detailed 1983 data available. These data are also available in computer-compatible form through the SEFC Panama City Laboratory.

METHODS

One hundred charterboat captains from sixteen areas (Figure 1) were the initial survey contractors. Respondents were randomly selected from captains who indicated a willingness to enter into contracts in response to an inquiry letter sent in December, 1982. The number of captains selected per area was approximately ten percent of the total number of charterboats fishing there, according to an inventory of charterboat captains provided by the NMFS Southeast Regional Office. Response was monitored and captains who failed to fulfill contract requirements or who withdrew from the survey were replaced when necessary.

Books containing weekly log sheets (Figure 2) were provided to the captains, who completed the forms using the following definitions:

1. Fishing Zone -- Three distinct fishing zones were defined: estuarine or bay waters (zone 1), offshore waters less than ten fathoms deep (zone 2), and offshore waters over ten fathoms deep (zone 3). When more than one zone was fished, all pertinent numbers were recorded. These values were recorded in the row titled "Area Location Numbers" (Figure 2).
2. Fishing Method -- "Troll" was defined as fishing activity undertaken with the boat moving under power. "Bottom" included all other fishing, including "conventional" bottom-fishing, drift-fishing, and flylining.
3. Hours Actually Fished -- Only actual fishing times, rounded to the nearest half-hour, were reported. Running times when hooks were not in the water were specifically excluded.
4. Species and Number Caught -- The catches of all species were reported. Any species not included in the printed list of twenty-four were identified in lines 25 through 30 and the number of fish that were caught was noted in the appropriate column.

Each week, the self-addressed, government-franked log sheets were mailed to the Panama City Laboratory, where the data were transcribed into a computerized system that monitored reporting activity, archived the data, and provided analyses.

RESULTS AND INTERPRETATION

Appendix Tables 1 through 31 are the data listings by area and fishing method. Since the catches logged under the "bottom" method included all techniques other than trolling (see page 1, item 2), the tables containing those data are captioned "non-trolling." The elements within the Appendix Tables are defined as:

1. Date -- the actual date fishing activity occurred.
2. Zone -- fishing in multiple zones is reported as:
zone 4 (i.e., fished in zones 1 and 2);
zone 5 (i.e., fished in zones 1 and 3);
zone 6 (i.e., fished in zones 2 and 3);
zone 7 (i.e., fished in zones 1, 2, and 3).
3. Hours fished -- the total number of hours fished by a single boat on all of its trips on one day using a particular method.
4. Catch per species -- each catch is reported in a "species-code:number-caught" format; that is, of each pair of numbers, the species code (Table 1) is on the left and the number of fish that were caught is on the right following the colon. One or two spaces may be present between the colon and the number caught. For example, the second entry in Appendix Table 1 (5: 69) shows that sixty-nine bluefish were caught.
5. Continuation lines -- when more than one line is required to display a day's catch data, the catches are continued on the next line but the date, zone, and hours-fished are not repeated (see Appendix Table 1, May 2). However, when a continuation must extend from the bottom of one column to the top of the next column or page, the trip information is repeated in the new column and a "+" is inserted after the hours-fished (see Appendix Table 1, July 25).

Table 1. Common names, scientific names, and numeric codes of reported species.

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>SPECIES CODE</u>
African pompano	<u>Alectis ciliaris</u>	103
Albacore	<u>Thunnus alalunga</u>	32
Almaco jack	<u>Seriola rivoliana</u>	41
Angelfishes	Pomacanthidae	107
Atlantic bonito	<u>Sarda sarda</u>	8
Atlantic croaker	<u>Micropogonias undulatus</u>	27
Atlantic cutlassfish	<u>Trichiurus lepturus</u>	121
Atlantic guitarfish	<u>Rhinobatos lentiginosus</u>	109
Atlantic mackerel	<u>Scomber scombrus</u>	102
Atlantic moonfish	<u>Selene setapinnis</u>	119
Atlantic sharpnose shark	<u>Rhizoprionodon terraenovae</u>	56
Atlantic spadefish	<u>Chaetodipterus faber</u>	63
Bar jack	<u>Caranx ruber</u>	67
Bigeye scad	<u>Selar crumenophthalmus</u>	126
Bigeye tuna	<u>Thunnus obesus</u>	105
Black drum	<u>Pogonias cromis</u>	43
Black grouper	<u>Mycteroperca bonaci</u>	19
Black sea bass	<u>Centropristes striata</u>	15
Blackfin tuna	<u>Thunnus atlanticus</u>	23
Blacktip shark	<u>Carcharhinus limbatus</u>	29
Blue marlin	<u>Makaira nigricans</u>	38
Blue runner	<u>Caranx cryos</u>	7
Bluefin tuna	<u>Thunnus thynnus</u>	65
Bluefish	<u>Pomatomus saltatrix</u>	5
Bonefish	<u>Albula vulpes</u>	101
Bonnethead	<u>Sphyrna tiburo</u>	113
Bull shark	<u>Carcharhinus leucas</u>	87
Cero	<u>Scomberomorus regalis</u>	25
Cobia	<u>Rachycentron canadum</u>	2
Codfishes	Gadidae	114
Cownose ray	<u>Rhinoptera bonasus</u>	110
Crevalle jack	<u>Caranx hippos</u>	12
Cusk-eels	Ophidiidae	47
Dolphin	<u>Coryphaena hippurus</u>	24
Dusky shark	<u>Carcharhinus obscurus</u>	75
Finetooth shark	<u>Carcharhinus isodon</u>	104
Florida pompano	<u>Trachinotus carolinus</u>	84
Flounder	<u>Paralichthys</u> sp.	70
Flyingfishes	Exocoetidae	111
Gafftopsail catfish	<u>Bagre marinus</u>	73
Gag	<u>Mycteroperca microlepis</u>	17
Gray snapper	<u>Lutjanus griseus</u>	54
Gray triggerfish	<u>Balistes capriscus</u>	20
Great barracuda	<u>Sphyraena barracuda</u>	11
Greater amberjack	<u>Seriola dumerili</u>	13
Grunts	Haemulidae	76
Hammerhead shark	<u>Sphyrna</u> sp.	35

Table 1 (continued). Common names, scientific names, and numeric codes of reported species.

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>SPECIES CODE</u>
Hardhead catfish	<i>Arius felis</i>	90
Horse-eye jack	<i>Caranx latus</i>	74
Houndfish	<i>Tylosurus crocodilus</i>	40
Jewfish	<i>Epinephelus itajara</i>	64
King mackerel	<i>Scomberomorus cavalla</i>	1
Kingfish	<i>Menticirrhus sp.</i>	45
Ladyfish	<i>Elops saurus</i>	9
Lane snapper	<i>Lutjanus synagris</i>	42
Leatherjacket	<i>Oligoplites saurus</i>	123
Leatherjackets	<i>Balistidae</i>	99
Lemon shark	<i>Negaprion brevirostris</i>	95
Lesser amberjack	<i>Seriola fasciata</i>	72
Little tunny	<i>Euthynnus alletteratus</i>	6
Lizardfishes	<i>Synodontidae</i>	86
Lookdown	<i>Selene vomer</i>	71
Mako	<i>Isurus sp.</i>	33
Menhaden	<i>Brevoortia sp.</i>	100
Morays	<i>Muraenidae</i>	51
Mutton snapper	<i>Lutjanus analis</i>	60
Nurse shark	<i>Ginglymostoma cirratum</i>	97
Palometta	<i>Trachinotus goodei</i>	108
Permit	<i>Trachinotus falcatus</i>	88
Pinfish	<i>Lagodon rhomboides</i>	30
Porgies	<i>Sparidae</i>	50
Puffers	<i>Tetraodontidae</i>	77
Rainbow runner	<i>Elagatis bipinnulata</i>	57
Red drum	<i>Sciaenops ocellatus</i>	4
Red grouper	<i>Epinephelus morio</i>	18
Red snapper	<i>Lutjanus campechanus</i>	14
Remoras	<i>Echeneidae</i>	78
Sailfish	<i>Istiophorus platypterus</i>	39
Sand lance	<i>Ammodytes sp.</i>	128
Sand perch	<i>Diplectrum sp.</i>	85
Sand seatrout	<i>Cynoscion arenarius</i>	28
Sand tiger	<i>Odontaspis taurus</i>	89
Sandbar shark	<i>Carcharhinus plumbeus</i>	112
Scamp	<i>Mycteroperca phenax</i>	16
Sea basses	<i>Serranidae</i>	81
Searobins	<i>Triglidae</i>	46
Seatrout	<i>Cynoscion sp.</i>	58
Sennet	<i>Sphyraena sp.</i>	122
Sharks	<i>Squaliformes</i>	36
Sheepshead	<i>Archosargus probatocephalus</i>	34
Shrimp eel	<i>Ophichthus gomesi</i>	127
Silky shark	<i>Carcharhinus falciformis</i>	59
Silver perch	<i>Bairdiella chrysoura</i>	94
Skates	<i>Rajidae</i>	98

Table 1 (continued). Common names, scientific names, and numeric codes of reported species.

<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>	<u>SPECIES CODE</u>
Skipjack tuna	<u>Euthynnus pelamis</u>	68
Snappers	<u>Lutjanidae</u>	82
Snook	<u>Centropomus</u> sp.	92
Snowy grouper	<u>Epinephelus niveatus</u>	79
Soapfish	<u>Rypticus</u> sp.	53
Spanish mackerel	<u>Scomberomorus maculatus</u>	3
Spinner shark	<u>Carcharhinus brevipinna</u>	52
Spot	<u>Leiostomus xanthurus</u>	116
Spotted seatrout	<u>Cynoscion nebulosus</u>	31
Stingrays	<u>Dasyatidae</u>	93
Swordfish	<u>Xiphias gladius</u>	117
Tarpon	<u>Megalops atlanticus</u>	10
Tiger shark	<u>Galeocerdo cuvieri</u>	91
Tilefishes	<u>Malacanthidae</u>	80
Toadfish	<u>Opsanus</u> sp.	48
Tripletail	<u>Lobotes surinamensis</u>	61
Vermilion snapper	<u>Rhomboplites aurorubens</u>	62
Wahoo	<u>Acanthocybium solanderi</u>	22
Warsaw grouper	<u>Epinephelus nigritus</u>	37
White marlin	<u>Tetrapturus albidus</u>	55
Wrasses	<u>Labridae</u>	96
Yellow jack	<u>Caranx bartholomaei</u>	120
Yellowfin grouper	<u>Mycteroperca venenosa</u>	49
Yellowfin tuna	<u>Thunnus albacares</u>	21
Yellowtail snapper	<u>Ocyurus chrysurus</u>	26

Figure 1. Charterboat sampling areas and number of contractors per area, 1983.

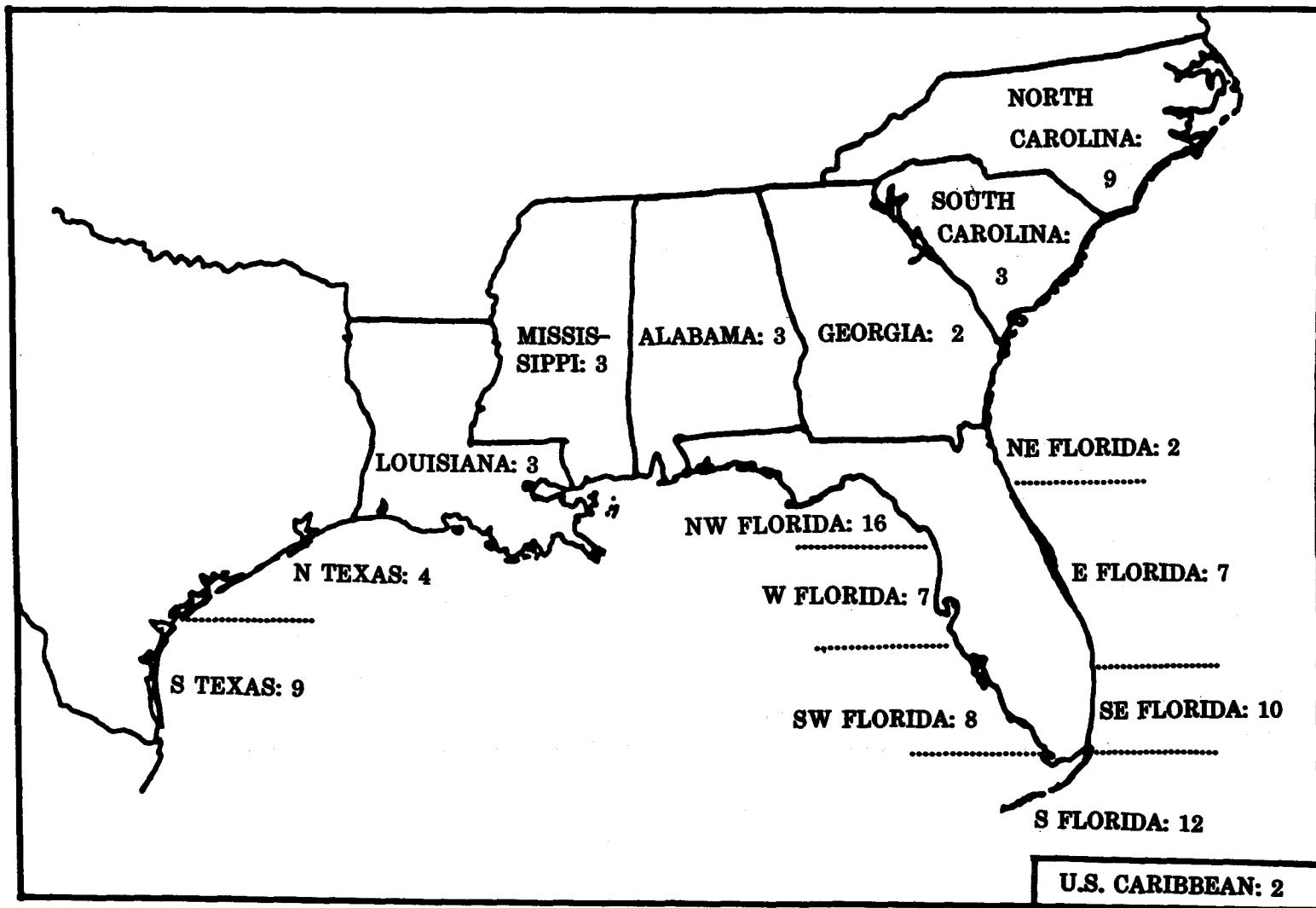


Figure 2. Log used in the 1983 charterboat survey.

O.M.B. 06480013
EXPIRES 9-30-85

1983 CHARTER BOAT SURVEY

Please fill in the requested information for each day of week _____ Charter Boat Name _____

Day	Sunday		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Comments
Area Location Number(s)	Troll	Bottom	Troll	Bottom	Troll	Bottom	Troll	Bottom	Troll	Bottom	Troll	Bottom	Troll	Bottom	
Fishing Method	Troll	Bottom	Troll	Bottom	Troll	Bottom	Troll	Bottom	Troll	Bottom	Troll	Bottom	Troll	Bottom	
Hours Actually Fished															
SPECIES	NUMBER CAUGHT														
1. King mackerel															
2. Cobia (ling)															
3. Spanish mackerel															
4. Redfish															
5. Bluefish															
6. Little tunny (bonito)															
7. Blue runner (hardtail)															
8. Atlantic bonito															
9. Ladyfish (skipjack)															
10. Tarpon															
11. Great barracuda															
12. Crevalle jack															
13. Greater amberjack															
14. Red snapper															
15. Black sea bass															
16. Scamp															
17. Gag grouper (black)															
18. Red grouper															
19. Black grouper															
20. Gray triggerfish															
21. Yellowfin tuna															
22. Wahoo															
23. Blackfin tuna															
24. Dolphin															
25.															
26.															
27.															
28.															
29.															
30.															

NOAA FORM 75-700

APPENDIX TABLE 1. LOGGED 1983 TROLLING CATCH AND EFFORT FROM NORTH CAROLINA

DATE	ZONE	HOURS FISHED			HOURS FISHED		
		-- CATCH PER SPECIES --			-- CATCH PER SPECIES --		
4 APR	2	4.0			12 MAY	3	8.0+
8 APR	2	3.0	5: 69		12 MAY	6	3.5
9 APR	2	9.0	5: 62		12 MAY	2	3.0
15 APR	2	3.5	5: 29		13 MAY	2	3.0
16 APR	2	5.0	5: 17		13 MAY	6	5.0
17 APR	6	4.0	5: 36		13 MAY	3	7.0
18 APR	3	2.0	6: 6				1: 11 2: 1 5: 3
21 APR	2	3.5	5: 40		13 MAY	3	6.0
22 APR	2	3.5	5: 54		14 MAY	3	6.0
22 APR	2	4.0	5: 49		14 MAY	3	4.0
23 APR	2	4.5	5: 40		14 MAY	3	8.5
23 APR	2	2.0	5: 67		14 MAY	3	5.0
23 APR	2	6.5	5: 126		14 MAY	3	8.5
23 APR	2	7.0	5: 94				1: 3 5: 11 21: 21
25 APR	2	1.0	5: 43		14 MAY	6	6.0
28 APR	3	3.5	5: 60		14 MAY	2	3.5
28 APR	2	0.5	5: 9		14 MAY	3	6.0
29 APR	3	3.5	5: 51		15 MAY	3	7.5
29 APR	2	6.0	5: 51 6: 2				24: 4
29 APR	2	3.0	5: 37		15 MAY	3	5.0
30 APR	3	3.0	5: 57		17 MAY	4	4.0
30 APR	3	1.0	6: 8		18 MAY	3	6.0
30 APR	6	4.0	1: 3 5: 37 6: 3		18 MAY	3	6.0
30 APR	3	7.0	5: 102		19 MAY	2	3.0
30 APR	2	4.0	5: 47		20 MAY	3	4.0
1 MAY	3	4.0	1: 7 21: 3 24: 4		20 MAY	4	6.0
2 MAY	2	3.0	5: 45		20 MAY	3	7.0
2 MAY	3	7.0	1: 7 4: 1 5: 29				1: 22
			6: 3		20 MAY	2	5.0
3 MAY	3	5.5	5: 31 21: 2 24: 15		21 MAY	4	6.0
4 MAY	2	3.0	5: 36		21 MAY	3	6.0
6 MAY	3	5.5	1: 28 5: 5 8: 1		21 MAY	3	6.0
			22: 2		21 MAY	3	6.0
6 MAY	3	6.0	21: 7 24: 10 33: 1		21 MAY	2	6.0
7 MAY	3	6.0	1: 15 5: 33 8: 1		21 MAY	3	6.0
7 MAY	6	4.0	2: 3 8: 5		21 MAY	3	6.0
7 MAY	3	7.5	1: 1 5: 66 6: 4		22 MAY	3	7.0
7 MAY	2	6.0	5: 75		22 MAY	3	5.0
7 MAY	2	3.0	5: 42		22 MAY	3	6.0
7 MAY	6	3.5	5: 44				24: 8
8 MAY	3	7.0	1: 23		22 MAY	3	4.5
8 MAY	3	4.0	1: 7 5: 31 6: 6		22 MAY	2	4.0
10 MAY	3	4.0	1: 3 5: 12 6: 15		24 MAY	3	6.0
11 MAY	3	7.5	1: 42 2: 1 5: 7		25 MAY	3	6.0
			6: 11		25 MAY	3	6.5
12 MAY	3	8.0	1: 41				1: 13 5: 11 6: 6
12 MAY	3	8.0	1: 54 5: 14 6: 4		25 MAY	3	6.0
							8: 3
							21: 6

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
26 MAY	3	5.0	21:	2	24:	2		2 JUN	3	7.0	21:	11	22:	2	23:	1	
26 MAY	3	7.0	1:	3	2:	1	5:	21			24:	17	39:	1			
			6:	9	8:	1	15:	9	3 JUN	3	7.0	21:	13	23:	4	24:	39
			23:	4					3 JUN	3	6.0	21:	8	24:	41		
26 MAY	3	6.0	1:	12	5:	23		3 JUN	3	6.0	21:	17	24:	38			
26 MAY	3	6.0	21:	9	24:	6		3 JUN	3	6.0	6:	3	23:	1	24:	38	
26 MAY	2	4.0	5:	3				3 JUN	3	6.0	21:	9	22:	1	24:	32	
27 MAY	3	6.0	21:	24	24:	2					33:	1					
27 MAY	3	6.0	6:	3	21:	16	23:	2	4 JUN	3	6.0	6:	4	21:	18	22:	1
			24:	12							24:	3					
27 MAY	3	5.0	21:	34				5 JUN	3	6.0	6:	3	21:	15	22:	1	
27 MAY	3	5.0	1:	6	21:	3	22:	1			24:	3					
27 MAY	3	7.0	1:	1	21:	6	22:	2	5 JUN	3	7.5	21:	7	22:	1	24:	30
			23:	1	24:	23		5 JUN	1	6.0	1:	14	3:	8			
27 MAY	3	6.0	21:	12	22:	1	24:	1	6 JUN	3	7.0	21:	9	22:	1	23:	1
28 MAY	3	6.0	6:	1	21:	21	22:	2			24:	16					
			24:	10				6 JUN	3	6.0	1:	1	5:	3	21:	22	
28 MAY	3	8.0	21:	5	22:	1	24:	2			22:	1	55:	1			
28 MAY	3	6.0	6:	1	24:	3		6 JUN	3	7.0	21:	17	24:	3			
28 MAY	3	7.5	5:	9	21:	7	22:	1	6 JUN	3	6.0	21:	10				
			23:	3	24:	31		6 JUN	3	6.0	24:	2					
28 MAY	3	5.5	21:	27	68:	2		7 JUN	3	6.0	21:	3					
28 MAY	3	6.0	6:	2	21:	14	24:	2	7 JUN	3	6.0	6:	1	21:	12	23:	2
28 MAY	3	6.0	21:	20	24:	2					68:	1					
29 MAY	3	6.0	21:	15	24:	27		7 JUN	3	7.0	21:	28	24:	2			
29 MAY	3	7.0	6:	2	21:	6	23:	1	7 JUN	3	6.0	21:	22				
			24:	31	55:	1		7 JUN	3	6.0	21:	22	24:	6			
29 MAY	3	6.0	24:	3				7 JUN	1	5.5	1:	20	3:	2			
29 MAY	3	8.0	21:	2	22:	1	24:	2	7 JUN	3	7.5	1:	2	21:	14	22:	2
			55:	1							24:	26					
29 MAY	3	6.0	21:	10	22:	1	23:	1	8 JUN	3	2.0	21:	7	24:	1		
29 MAY	3	6.0	1:	12	5:	8	6:	1	8 JUN	3	7.0	21:	25	24:	1		
30 MAY	3	6.0	24:	1	105:	2		10 JUN	1	8.0	1:	37	3:	21			
30 MAY	3	6.0	21:	1	22:	1		10 JUN	3	6.0	21:	1	22:	1	24:	1	
30 MAY	3	7.0	2:	1	21:	3	24:	26	11 JUN	1	6.0	1:	33	3:	36		
30 MAY	3	6.0	21:	7	24:	12		11 JUN	3	7.0	21:	3	24:	31			
30 MAY	3	5.5	21:	1	22:	2	24:	75	11 JUN	3	6.0	2:	1	8:	1	21:	1
31 MAY	3	7.0	21:	7	22:	1	23:	3			24:	15					
			24:	17	55:	1		11 JUN	3	6.0	21:	1	24:	20			
1 JUN	3	6.5	1:	17	2:	1	5:	23	12 JUN	3	5.0	6:	1	21:	16	23:	1
			6:	7							24:	15					
1 JUN	3	6.0	21:	21	24:	21	68:	4	12 JUN	1	6.0	1:	8	3:	21	5:	11
1 JUN	3	6.0	21:	17	24:	7					6:	3					
1 JUN	3	6.0	21:	9	22:	1	24:	12	12 JUN	3	7.0	2:	1	6:	2	15:	9
			55:	1							21:	8	22:	1	24:	23	
2 JUN	3	6.0	21:	27							39:	1					
2 JUN	3	3.5	21:	31	24:	1		12 JUN	3	6.5	21:	38					

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —							
13 JUN	3	6.5	38:	2			20 JUN	3	5.0	6:	5	21:	16	24:	3		
13 JUN	3	7.5	6:	1	11:	1	21:	9	20 JUN	3	6.0	21:	10	24:	3		
			23:	2	24:	36		20 JUN	3	5.5	21:	18	24:	88			
13 JUN	3	6.0	6:	2	21:	19	24:	12	20 JUN	3	7.0	2:	1	21:	12	24:	17
13 JUN	3	6.0	21:	20	24:	10					55:	1					
13 JUN	3	6.0	21:	33			21 JUN	3	7.0	21:	6	22:	1	24:	66		
14 JUN	3	6.0	21:	28	24:	21		21 JUN	1	6.0	1:	8	3:	7	5:	4	
14 JUN	3	6.0	21:	32						13:	1						
14 JUN	3	6.0	6:	2	21:	18	24:	2	21 JUN	3	5.5	21:	3	24:	102		
14 JUN	1	7.0	1:	9	3:	17	5:	7	21 JUN	3	6.0	21:	12	24:	30		
			6:	2	11:	1		21 JUN	3	6.0	6:	1	21:	10	24:	41	
14 JUN	3	6.0	1:	2	2:	1	6:	3	23 JUN	3	6.0	21:	9	24:	22		
			13:	4	15:	11	21:	2	23 JUN	3	5.0	6:	2	21:	14	22:	1
			22:	1	23:	6	24:	17			24:	2	55:	1			
14 JUN	3	6.5	21:	4	22:	2	24:	8	23 JUN	3	6.0	21:	28	24:	47	68:	3
15 JUN	3	6.5	21:	8	22:	1	24:	18	24 JUN	3	6.0	21:	18	22:	1	24:	7
15 JUN	3	7.0	13:	3	21:	11	24:	17	24 JUN	3	5.0	6:	1	21:	12	24:	1
			55:	1				24 JUN	3	6.0	21:	6	22:	4	55:	1	
15 JUN	3	6.0	21:	13	24:	40		24 JUN	3	6.5	21:	17	24:	6			
15 JUN	3	6.0	21:	33	24:	20		24 JUN	3	6.0	6:	1	21:	12	24:	36	
16 JUN	3	6.0	6:	3	21:	35	24:	58	25 JUN	3	6.0	21:	6	24:	21	55:	1
16 JUN	3	5.0	21:	18	24:	52		25 JUN	3	6.0	21:	2	24:	1			
16 JUN	3	6.0	6:	3	21:	14	23:	1	25 JUN	3	1.0	13:	2	24:	1		
			24:	12				25 JUN	3	7.0	1:	2	21:	11	22:	1	
16 JUN	3	7.0	4:	1	6:	5	11:	1			24:	27					
			21:	6	24:	13		25 JUN	3	5.0	21:	18	22:	1	24:	25	
17 JUN	1	6.0	1:	3				25 JUN	3	4.0	21:	8	22:	1	24:	42	
17 JUN	3	7.5	21:	3	23:	2	24:	63	25 JUN	3	6.0	21:	16	22:	1	24:	75
17 JUN	3	4.0	1:	5	24:	1					68:	1					
17 JUN	3	6.0	21:	10	24:	24		25 JUN	1	6.0	1:	14	4:	9	13:	2	
17 JUN	3	5.0	6:	1	21:	12	23:	1			24:	3					
			24:	38				26 JUN	1	4.0	1:	18	11:	1			
17 JUN	3	6.0	21:	20	24:	88		26 JUN	3	6.0	6:	2	21:	9	22:	1	
17 JUN	3	6.5									24:	40					
18 JUN	3	4.0	21:	10	24:	2		26 JUN	3	6.0	11:	2	22:	2	23:	1	
18 JUN	3	6.0	21:	8				26 JUN	3	7.0	21:	9	23:	1	24:	37	
18 JUN	3	7.0	21:	11	24:	12		26 JUN	3	5.0	22:	1	24:	5			
19 JUN	3	1.0	1:	3	5:	2		26 JUN	3	6.0	21:	12	22:	2	24:	4	
19 JUN	1	3.0	1:	4	3:	11		27 JUN	3	6.0	21:	5	22:	1	24:	41	
19 JUN	3	6.5	11:	1	21:	7	22:	2	27 JUN	3	2.0	1:	2	11:	1		
			24:	9				27 JUN	3	6.5	11:	1	21:	7	22:	1	
19 JUN	3	6.0	21:	25	22:	1	24:	8			24:	14					
			38:	1				27 JUN	3	6.0	21:	10	22:	1	24:	45	
19 JUN	3	5.0	24:	1				27 JUN	3	6.0	21:	13	24:	75	55:	1	
19 JUN	3	6.0	6:	4	21:	18	24:	2			68:	1					
			38:	1				28 JUN	3	6.0	21:	16	22:	1	24:	101	
20 JUN	3	6.0	2:	1	21:	2	24:	61	28 JUN	3	6.0	21:	9	24:	30		

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			1:	7	6:	4	21:				1:	7	22:	1	23:	1	
28 JUN	3	6.5	1:	7	6:	4	21:	11	7 JUL	3	7.0	21:	7	22:	1	23:	1
			24:	44							24:	6	105:	2			
29 JUN	3	6.0	21:	6	24:	32			8 JUL	3	6.0	6:	3	21:	12	24:	3
29 JUN	3	6.0	6:	3	21:	10	24:	30	8 JUL	3	6.0	21:	11	105:	1		
29 JUN	3	6.0	21:	9	22:	1	24:	34	8 JUL	1	6.0	1:	7	13:	5	32:	9
29 JUN	1	6.0	1:	21	3:	15	11:	4	8 JUL	3	6.5	21:	21	24:	1		
29 JUN	3	6.0	21:	5	24:	51	55:	1	8 JUL	3	6.0	21:	11	105:	2		
30 JUN	3	6.0	21:	20	24:	3	68:	2	9 JUL	3	6.5	21:	11	24:	109	68:	1
30 JUN	3	6.0	21:	8	24:	10			9 JUL	3	6.0	21:	17				
30 JUN	3	6.0	6:	6	21:	8	24:	12	9 JUL	3	6.0	6:	5	21:	19	22:	1
30 JUN	3	7.0	1:	1	6:	2	21:	19			24:	4					
			23:	2	24:	11			9 JUL	3	7.0	21:	11	22:	1	24:	63
1 JUL	3	6.0	21:	10	22:	1	24:	34			55:	1					
1 JUL	3	5.0	6:	1	21:	11	24:	1	9 JUL	3	2.0	1:	1				
1 JUL	3	6.5	21:	11	24:	86			10 JUL	3	6.0	21:	7	22:	1	24:	31
2 JUL	3	6.5	21:	19	22:	1	24:	3			38:	1					
2 JUL	3	5.0	6:	1	21:	15	24:	8	10 JUL	3	6.0	6:	3	21:	8	24:	12
2 JUL	3	6.0	21:	7					10 JUL	3	6.0	6:	1	21:	14		
2 JUL	3	6.0	21:	10	24:	32			11 JUL	3	6.0	6:	4	21:	1	24:	6
3 JUL	3	6.0	21:	8	24:	37	38:	1	11 JUL	3	6.0	21:	8	22:	1	24:	4
3 JUL	3	5.0	22:	1	24:	8			11 JUL	3	6.0	21:	21	22:	1	68:	3
3 JUL	3	5.0	6:	1	21:	19	24:	12	11 JUL	3	7.0	21:	16	24:	6	55:	1
3 JUL	1	6.0	1:	8	3:	22	32:	5	12 JUL	3	7.5	3:	11	5:	23	21:	3
3 JUL	3	7.0	6:	3	11:	1	13:	2			22:	1	24:	29	105:	1	
			21:	7	23:	1	24:	26	12 JUL	1	4.0	1:	2				
			39:	1					12 JUL	3	6.5	21:	26	68:	1		
3 JUL	3	2.0	1:	2					12 JUL	3	2.0	24:	25				
4 JUL	3	7.0	21:	11	24:	17			12 JUL	3	6.0	6:	1	21:	4	24:	60
4 JUL	3	2.0	1:	1					12 JUL	3	6.0	21:	18	22:	2	24:	57
4 JUL	1	6.0	1:	12	3:	30	32:	3	13 JUL	3	6.0	21:	11	24:	41		
4 JUL	3	6.5	21:	23	22:	2	24:	85	13 JUL	3	6.0	21:	4	105:	4		
4 JUL	3	5.0	6:	3	21:	16	24:	8	13 JUL	3	5.0	21:	32	22:	1	24:	1
4 JUL	3	6.0	11:	1	21:	10	24:	52	13 JUL	3	6.5	21:	17	105:	3		
4 JUL	3	6.0	21:	14	24:	57			13 JUL	3	7.0	2:	1	11:	1	21:	9
5 JUL	3	6.0	21:	3	24:	76	38:	1			24:	7	55:	1			
			55:	1					14 JUL	3	7.0	11:	1	13:	2	21:	4
5 JUL	3	6.5	21:	10	22:	1	24:	89			23:	1	24:	61			
5 JUL	3	7.0	11:	2	21:	14	24:	38	14 JUL	3	6.5	21:	9	105:	2		
6 JUL	3	6.5	6:	1	21:	4	22:	2	14 JUL	3	6.0	21:	5	22:	2	24:	14
			24:	13					14 JUL	3	5.0	8:	2	21:	15		
6 JUL	3	6.0	21:	22	22:	1	24:	31	14 JUL	3	6.0	6:	1	21:	8	22:	2
6 JUL	3	6.0	21:	13							24:	2					
6 JUL	3	6.0	6:	2	21:	12	24:	1	14 JUL	2	5.0	1:	6	3:	30		
6 JUL	3	6.0	6:	4	21:	8	24:	31	15 JUL	3	6.0	21:	3	105:	1		
			38:	1	105:	2			15 JUL	3	5.0	6:	2	21:	9	22:	1
7 JUL	3	6.0	21:	12					15 JUL	3	6.0	21:	11				
7 JUL	3	6.0	21:	16	22:	1	24:	3	15 JUL	3	6.5	21:	13	68:	4		

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			3:	2	5:	1					1:	3	13:	2	21:	3	
15 JUL	2	2.0						25 JUL	3	7.0	21:	11	24:	3			
15 JUL	3	7.0	6:	2	21:	8	23:	2	26 JUL	3	7.0	1:	3	13:	2	21:	3
			24:	2							22:	1	23:	2	24:	19	
16 JUL	6	2.0									55:	1					
16 JUL	3	6.5	21:	4	22:	1	23:	2	26 JUL	3	6.0	8:	1	21:	9	24:	47
			24:	12	55:	1					6.5	21:	6	24:	12		
16 JUL	2	6.0	1:	3	5:	2	24:	4	26 JUL	3	6.5	21:	5	24:	46		
16 JUL	3	6.5	21:	14	24:	2	68:	1	27 JUL	3	6.0	21:	9	22:	1	24:	59
16 JUL	3	6.0	21:	4							55:	2					
16 JUL	3	5.0	6:	3	21:	7	24:	4	27 JUL	3	6.5	21:	5	24:	37	39:	1
16 JUL	3	6.0	21:	10	22:	3	24:	1	27 JUL	3	6.0	8:	1	13:	1	21:	3
17 JUL	3	6.0	21:	5	22:	2	24:	6			55:	2					
17 JUL	3	5.0	21:	8	22:	1	24:	2	27 JUL	3	6.0	21:	8	24:	1		
17 JUL	1	6.0	1:	2	24:	4			28 JUL	3	6.0	21:	16	24:	1		
17 JUL	3	7.0	1:	2	2:	1	6:	2	28 JUL	3	6.0	8:	1	21:	14	24:	42
			11:	1	13:	4	21:	3			38:	1					
			23:	4	24:	24	39:	1	28 JUL	3	7.0	21:	8	24:	7		
18 JUL	3	7.0	6:	2	21:	7	22:	1	28 JUL	2	3.0	1:	3	3:	28	7:	1
			23:	1	24:	11	55:	1	29 JUL	3	6.0	21:	16				
18 JUL	3	6.5	21:	7	24:	11			29 JUL	3	3.0	1:	7	8:	1	13:	2
18 JUL	3	6.0	21:	2					29 JUL	3	7.0	21:	2	22:	1	23:	3
18 JUL	3	6.0	21:	1	24:	20	55:	1			24:	12	55:	1			
19 JUL	3	6.0	21:	2	38:	1			29 JUL	3	6.0	21:	27				
19 JUL	3	6.0	6:	3	7:	3	21:	1	30 JUL	1	6.0	1:	7	13:	2	24:	2
19 JUL	3	6.5	21:	7	24:	1	39:	2	30 JUL	3	6.5	21:	29	22:	1		
19 JUL	3	6.0	1:	1	6:	6	21:	3	30 JUL	3	6.0	21:	10	24:	60		
			22:	2	24:	29	55:	1	30 JUL	3	6.0	8:	2	21:	10	24:	6
20 JUL	3	5.0	11:	1	21:	1	24:	1	30 JUL	3	6.5	6:	3	11:	1	21:	6
20 JUL	2	3.0	5:	21							22:	2	23:	1	24:	29	
21 JUL	3	5.0	21:	3	22:	1	24:	10	30 JUL	3	6.0	21:	3				
22 JUL	3	5.0	1:	2	11:	2			31 JUL	3	6.0	24:	91				
23 JUL	3	6.0	6:	2	21:	7	24:	57	31 JUL	3	4.0	1:	3	3:	1		
23 JUL	3	6.0	21:	7	22:	1	39:	1	31 JUL	3	6.5	21:	9	24:	111	38:	1
23 JUL	1	6.0	1:	4	24:	5					68:	1					
23 JUL	3	6.5	21:	9	24:	102	39:	1	31 JUL	1	6.0	1:	8	13:	2		
			68:	1					31 JUL	3	7.0	21:	3	22:	1	24:	75
23 JUL	3	7.0	6:	1	21:	7	23:	2			38:	2					
			24:	11	38:	1			1 AUG	3	7.0	21:	11	24:	25		
23 JUL	3	6.0	21:	10	24:	69			1 AUG	3	6.5	21:	12	22:	1	24:	15
24 JUL	3	6.0	21:	2	22:	1	24:	61	1 AUG	3	6.0	8:	1	21:	4	24:	38
24 JUL	3	6.0	6:	1	21:	9	22:	1	1 AUG	3	7.0	1:	2	6:	1	11:	1
			24:	11	39:	2					21:	4	23:	1	24:	11	
24 JUL	1	6.0	1:	5	13:	3			2 AUG	3	7.0	2:	1	6:	2	21:	7
25 JUL	3	6.5	21:	2	22:	2	24:	125			22:	1	24:	7	55:	1	
			55:	1	68:	1			2 AUG	3	6.0	21:	8	24:	1		
25 JUL	3	6.0	21:	11	24:	10			2 AUG	3	6.5	21:	13				
25 JUL	3	5.0	21:	1	24:	25			2 AUG	3	7.0	8:	2	21:	6	24:	30

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED					HOURS FISHED				
		— CATCH PER SPECIES —					— CATCH PER SPECIES —				
2 AUG	3	7.0+	38: 1				8 AUG	3	6.5	21: 9	24: 24
3 AUG	3	7.0	21: 7	24: 4			8 AUG	3	7.0	21: 14	24: 6
3 AUG	3	6.5	21: 27				9 AUG	3	7.0	21: 12	22: 1
3 AUG	3	6.0	21: 10				9 AUG	1	6.0	1: 7	11: 2
3 AUG	2	4.0	5: 8				9 AUG	3	6.5	21: 11	22: 1
3 AUG	3	6.5	11: 2	21: 3	22: 2		9 AUG	3	6.0	8: 3	21: 7
			23: 3	24: 9	38: 1					24: 6	
			55: 1				9 AUG	3	4.0	1: 6	13: 1
3 AUG	3	4.0	1: 4	3: 2	8: 1		9 AUG	3	7.0	21: 3	24: 62
			13: 2				9 AUG	3	6.0	21: 8	22: 2
3 AUG	3	6.5	21: 8	55: 1						24: 62	
4 AUG	3	6.0	21: 9				10 AUG	3	6.0	21: 3	24: 13
4 AUG	3	7.0	21: 9	22: 1	23: 2		10 AUG	3	7.0	1: 1	21: 1
			24: 17	38: 1	39: 1					22: 1	
4 AUG	3	6.0	21: 6	38: 1	55: 1		10 AUG	3	6.0	21: 3	22: 1
4 AUG	3	6.0	8: 2	21: 21	22: 1		10 AUG	3	6.0	6: 1	21: 7
4 AUG	1	6.0	1: 2	13: 1	24: 3		10 AUG	3	6.5	21: 6	24: 55
4 AUG	3	7.0	24: 12				10 AUG	3	7.0	21: 7	22: 2
5 AUG	3	7.0	21: 3	24: 23			11 AUG	3	7.0	21: 4	24: 50
5 AUG	3	6.5	21: 10	22: 1	38: 1		11 AUG	3	6.5	21: 9	24: 67
5 AUG	3	5.0	6: 2	21: 7			11 AUG	3	6.0	21: 9	24: 15
5 AUG	3	6.0	21: 6				11 AUG	3	6.0	8: 2	21: 6
5 AUG	3	7.0	21: 6	23: 2	24: 19		11 AUG	3	6.5	21: 3	24: 21
			38: 1				13 AUG	3	6.0	8: 1	21: 2
5 AUG	3	6.0	21: 13	24: 8						38: 2	
6 AUG	3	6.0	21: 4	22: 1	24: 4		13 AUG	3	6.5	6: 1	21: 6
6 AUG	3	7.0	21: 4	23: 3	24: 6		13 AUG	3	7.0	8: 6	21: 1
			55: 1							24: 1	
6 AUG	3	6.0	8: 1	21: 9			14 AUG	3	7.0	21: 11	22: 2
6 AUG	3	6.0	6: 2	21: 4	24: 20		14 AUG	1	5.0	1: 3	
6 AUG	3	6.5	21: 14				14 AUG	3	6.0		
6 AUG	3	7.0	21: 12	22: 2	24: 18		15 AUG	3	6.0	11: 1	
			32: 2	105: 1			15 AUG	3	6.0	21: 3	24: 8
7 AUG	3	7.0	21: 7	38: 1	55: 1		15 AUG	3	6.5	21: 5	24: 1
7 AUG	1	3.0	1: 3				15 AUG	3	7.0	5: 7	6: 2
7 AUG	3	6.0	21: 9							13: 3	
7 AUG	3	6.5	6: 1	21: 9	23: 1		15 AUG	3	7.0	21: 4	22: 2
			24: 16				15 AUG	3	6.0	24: 1	24: 11
7 AUG	3	6.0	21: 18	24: 10			16 AUG	3	6.0	55: 2	
8 AUG	3	6.0	21: 7	24: 41	39: 1		16 AUG	3	7.0	21: 3	22: 1
8 AUG	3	1.0	1: 2	2: 1	5: 1		16 AUG	3	7.0	21: 7	22: 1
			22: 1	39: 1						23: 2	
8 AUG	3	7.0	1: 2	11: 1	21: 11		16 AUG	3	6.5	24: 4	39: 1
			22: 1	24: 9			16 AUG	3	6.0	55: 1	
8 AUG	2	2.0	1: 1				16 AUG	3	6.0	55: 1	
8 AUG	3	6.0	8: 3	21: 12	24: 10		17 AUG	3	6.0	55: 6	
8 AUG	3	6.0	21: 10	55: 1			17 AUG	3	6.0	22: 1	24: 12
										55: 2	

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			1:	3:	6:	1:	13:	1:				24:	2:	2:	22:	2:	24:
17 AUG	3	4.0	1:	3	6:	1	13:	1	26 AUG	3	6.0	24:	2				
17 AUG	3	7.0	1:	1	6:	3	11:	1	26 AUG	3	6.0	22:	2	24:	1	55:	5
			21:	9	24:	17			26 AUG	3	7.0	21:	2	22:	1	24:	9
17 AUG	3	7.0	8:	2	22:	1	24:	15				55:	2				
			55:	1					27 AUG	3	6.0	55:	1				
17 AUG	3	6.0	24:	48					27 AUG	3	2.0	1:	1	3:	1		
18 AUG	3	6.0	21:	8					27 AUG	3	7.5	21:	2	24:	3	55:	1
18 AUG	3	7.0	21:	9	24:	30	39:	1	27 AUG	3	6.0	6:	1	21:	1	22:	1
18 AUG	2	2.0	1:	2	6:	1	13:	1				24:	3	55:	2		
18 AUG	3	7.0	11:	1	21:	9	22:	2	27 AUG	3	6.0	22:	1				
			23:	1	24:	26	38:	1	27 AUG	3	6.5	21:	2	24:	1		
			55:	1					27 AUG	1	3.0	1:	1	68:	7		
18 AUG	3	6.0	24:	3					27 AUG	3	6.0	55:	2				
18 AUG	3	6.0	21:	1	24:	12			28 AUG	3	6.0	6:	1	21:	6	22:	1
18 AUG	3	6.5	24:	32	55:	1						24:	35				
19 AUG	3	6.5	21:	4	22:	1	24:	37	28 AUG	3	6.5	6:	2	11:	2	21:	4
19 AUG	3	5.0	21:	5	22:	1	39:	1				22:	3	23:	3	24:	5
19 AUG	3	6.0	21:	8	22:	1						39:	1				
19 AUG	3	7.0	6:	4	21:	6	22:	1	28 AUG	3	8.0	21:	5	39:	1		
			24:	3	39:	1			29 AUG	3	7.0	21:	2	32:	1	55:	3
19 AUG	3	7.0	21:	6	24:	12			29 AUG	3	7.0	6:	1	21:	2	23:	2
19 AUG	3	6.0	6:	1	21:	3						24:	11				
20 AUG	3	7.0	21:	8	38:	2			29 AUG	3	6.0	55:	2				
20 AUG	3	3.0	6:	1	13:	1			29 AUG	3	6.0	6:	2	21:	7	22:	2
21 AUG	3	6.5	1:	2	6:	1	21:	3				24:	33				
			22:	1	23:	3	24:	7	29 AUG	3	6.5	55:	1				
			39:	1					29 AUG	3	6.0	6:	2	22:	4	24:	10
21 AUG	3	5.0	21:	1	22:	1						55:	2				
21 AUG	1	3.0	1:	2	32:	8			30 AUG	3	6.0	55:	1				
21 AUG	3	6.0	22:	2					30 AUG	3	6.5	38:	1	55:	1		
22 AUG	3	6.0	21:	2					30 AUG	3	6.0	21:	2	22:	1	55:	1
22 AUG	3	6.5	21:	7	22:	1	24:	2	30 AUG	3	6.0	55:	1				
22 AUG	3	6.0	21:	6					30 AUG	3	7.0	21:	3	22:	1	23:	1
22 AUG	3	6.0	6:	1	21:	15	22:	1				24:	3				
			55:	1					30 AUG	3	7.0	24:	1	55:	2		
22 AUG	3	7.0	2:	1	11:	1	21:	6	31 AUG	3	8.0	11:	1	21:	14	22:	1
			22:	4	23:	1	24:	38				24:	6				
			38:	1					31 AUG	3	7.0	21:	5	23:	4	24:	23
23 AUG	3	6.0	1:	1	3:	6	6:	8				38:	1				
			11:	3					31 AUG	3	6.0	21:	8	22:	1	24:	12
23 AUG	3	6.0	6:	1	21:	5	22:	1	31 AUG	3	6.0	21:	2	24:	4	55:	2
			24:	8					31 AUG	3	6.5	21:	7	22:	1	24:	12
23 AUG	3	6.0	21:	3	24:	1	38:	1	31 AUG	3	6.0	55:	3				
23 AUG	3	6.5	21:	12					1 SEP	3	7.0	21:	1	22:	1	24:	1
23 AUG	3	6.0	38:	1								55:	1				
26 AUG	1	6.0	1:	7	13:	2	32:	8	1 SEP	3	6.5	21:	5	55:	2		
26 AUG	3	6.5	21:	4	22:	1	55:	3	1 SEP	3	6.0	21:	16	22:	1	24:	1

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --						
			38:	1	39:	2					38:	1	39:	2	15:	75	
1 SEP	3	6.0+	38:	1	39:	2		9 SEP	3	6.5	55:	3					
1 SEP	3	7.0	21:	3	22:	1	24:	9	9 SEP	3	8.0	55:	1				
			55:	2				9 SEP	3	4.0	6:	6	13:	2	15:	75	
1 SEP	3	7.0	22:	1	24:	3	39:	3				22:	1	24:	5		
2 SEP	3	7.0	22:	2	24:	2	55:	3	9 SEP	3	6.0	24:	1	55:	1		
2 SEP	3	4.0	21:	6	22:	2	24:	19	9 SEP	3	6.0	55:	2				
			39:	1				9 SEP	3	6.0	55:	2					
2 SEP	3	6.0	21:	5	22:	7	23:	1	10 SEP	3	6.0						
			24:	3	39:	1		10 SEP	3	6.0	55:	2					
2 SEP	3	6.0	21:	10	22:	3	39:	1	10 SEP	3	6.0	55:	2				
2 SEP	3	6.5	21:	5	22:	3	24:	17	10 SEP	3	6.0	11:	2	21:	1	22:	2
			39:	1							24:	9	55:	1			
2 SEP	3	6.0	22:	9	23:	1	24:	1	10 SEP	3	3.0	1:	2	6:	1	21:	1
3 SEP	1	6.0	1:	14	3:	28		10 SEP	3	8.0	55:	3					
3 SEP	3	6.0	8:	1	13:	1		10 SEP	3	6.0	55:	1					
3 SEP	3	6.0	21:	6				11 SEP	3	6.0	21:	2					
3 SEP	3	6.0	6:	3	8:	2	21:	1	11 SEP	3	6.5	21:	2	22:	1	24:	37
			22:	3	24:	5					38:	1	55:	2			
4 SEP	3	3.0	1:	3	6:	6		11 SEP	3	3.0	1:	1	6:	2			
4 SEP	3	6.0	21:	5	24:	8		11 SEP	3	6.0	6:	1	21:	1			
4 SEP	3	8.0	22:	1	55:	1		11 SEP	1	6.0	1:	17	3:	11			
4 SEP	3	6.0	6:	1	21:	2	24:	30	12 SEP	3	6.0	21:	15	38:	1		
			38:	1				12 SEP	3	6.0	6:	1	21:	1	24:	1	
5 SEP	3	6.0	55:	5				12 SEP	3	7.0	6:	1	21:	12	22:	2	
5 SEP	3	8.0	8:	4	24:	3	55:	1			24:	2	39:	1			
5 SEP	3	6.0	55:	4				12 SEP	3	6.0	38:	1					
5 SEP	3	6.0	6:	1	11:	1	21:	4	13 SEP	3	7.0	21:	3	22:	5	24:	11
			22:	1	24:	4	39:	2			38:	1					
5 SEP	3	6.0	38:	1	55:	1		13 SEP	3	6.0	6:	1	21:	2	24:	1	
6 SEP	3	6.0	23:	31	55:	2					39:	1					
6 SEP	3	6.0	6:	1	21:	3	22:	1	13 SEP	3	6.0						
			23:	1	39:	2		14 SEP	3	7.0	21:	7	22:	2	24:	7	
6 SEP	3	6.0	55:	2							39:	2	55:	2			
6 SEP	3	8.0	24:	1	55:	3		15 SEP	3	7.0	21:	1	24:	39	39:	1	
6 SEP	3	6.0	24:	6	55:	1					55:	3					
7 SEP	3	6.0	21:	2	55:	2		16 SEP	3	5.0	21:	5	22:	2	24:	16	
7 SEP	3	7.0	38:	1	55:	2					55:	2					
7 SEP	3	6.0	55:	1				16 SEP	1	6.0	1:	11	3:	26			
7 SEP	3	6.0	55:	1				17 SEP	3	6.0	1:	1	6:	7	55:	2	
7 SEP	3	6.0	55:	4				17 SEP	1	6.0	1:	14	3:	9			
8 SEP	3	6.0	38:	1	55:	3		17 SEP	3	5.0	24:	20	55:	1			
8 SEP	3	6.0	21:	2	55:	2		17 SEP	3	6.0	24:	30	55:	1			
8 SEP	3	6.0	55:	5				17 SEP	3	4.0	6:	1	11:	1	13:	1	
8 SEP	3	5.0	6:	5	8:	2	11:	3			21:	1					
			13:	1	22:	2	24:	7	17 SEP	3	6.0	8:	2	23:	1		
8 SEP	3	7.0	8:	4	24:	10	55:	3	17 SEP	3	7.0	21:	1	24:	3	55:	3
8 SEP	3	6.0	55:	3				17 SEP	3	6.0	22:	1	24:	8	55:	1	

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED					HOURS FISHED										
		-- CATCH PER SPECIES --					-- CATCH PER SPECIES --										
18 SEP	3	6.0	24:	10	55:	2		25 SEP	3	6.0+	24:	1					
18 SEP	3	7.0	6:	2	21:	3	22:	2	25 SEP	1	6.0	1:	8	3:	7	13:	1
			23:	1	24:	7	39:	1	25 SEP	3	4.0	1:	9				
			55:	1				26 SEP	3	6.0	1:	2	6:	2	21:	1	
18 SEP	3	5.0	22:	1	24:	30					22:	1	24:	17	55:	1	
18 SEP	1	6.0	1:	11	3:	14		27 SEP	3	7.0	21:	5	22:	3	24:	46	
19 SEP	3	6.0	22:	1	39:	1					55:	1					
19 SEP	3	6.0	1:	4	6:	3	8:	3	1 OCT	3	7.0	21:	3	22:	4	24:	7
			24:	4							38:	1					
19 SEP	3	6.0	24:	7	55:	1		1 OCT	1	6.0	1:	14	3:	4			
19 SEP	3	7.0	1:	4	6:	3	21:	3	1 OCT	3	5.5	1:	1	21:	7		
			24:	11	55:	1					5.0						
19 SEP	3	5.0	55:	3				1 OCT	3	6.0	21:	9					
20 SEP	3	6.0	22:	4	24:	8		1 OCT	3	7.0	1:	11	8:	2	24:	2	
20 SEP	3	7.0	1:	17	6:	2	21:	2	2 OCT	3	8.0	21:	10	24:	8		
			22:	3	24:	3	39:	1	2 OCT	3	5.0	21:	3	24:	5		
			55:	1					2 OCT	3	2.0	1:	2	6:	2	21:	1
20 SEP	3	6.0	24:	1				2 OCT	3	4.0	1:	13	6:	1	21:	1	
20 SEP	3	6.0	24:	18	55:	2					24:	7					
20 SEP	3	6.0	24:	67				2 OCT	3	6.0	21:	12	22:	1			
21 SEP	3	6.0	1:	35	6:	14		3 OCT	3	5.5	21:	4	22:	4	24:	2	
21 SEP	3	6.0	1:	4	22:	1					39:	1					
21 SEP	3	6.0	1:	1	32:	2	55:	1	3 OCT	3	6.0	21:	8	22:	1		
21 SEP	3	7.0	1:	1	6:	3	21:	7	3 OCT	3	6.0	21:	13				
			22:	2	24:	19	38:	1	3 OCT	3	9.0	1:	10	22:	1	32:	8
23 SEP	3	6.0	1:	1	21:	4		4 OCT	3	9.0	1:	35	8:	2	32:	6	
23 SEP	3	5.0	1:	4	21:	2	22:	1	4 OCT	3	6.0	21:	4	24:	80		
			24:	10				4 OCT	3	6.0	21:	6	22:	1	24:	30	
23 SEP	3	6.0	1:	21	6:	12		5 OCT	3	6.0	1:	2	6:	2	21:	15	
24 SEP	1	6.0	1:	7	3:	9					22:	3	24:	64			
24 SEP	3	6.0	21:	3				5 OCT	3	6.0	1:	22	22:	1	32:	8	
24 SEP	3	6.0	6:	4	8:	1	21:	10	5 OCT	3	6.0	21:	5	22:	4	24:	46
			23:	1	24:	8		6 OCT	3	7.0	1:	3	21:	14	22:	3	
24 SEP	3	6.0	21:	2	32:	1					24:	9	32:	3			
24 SEP	3	7.0	1:	3	6:	1	21:	11	6 OCT	3	6.0	21:	20				
			22:	1	24:	6	39:	1	6 OCT	3	6.0	1:	32	6:	6		
			55:	1				6 OCT	3	5.0	8:	2	21:	16	22:	1	
24 SEP	2	5.0	1:	2	3:	1	6:	2	6 OCT	2	6.0	1:	3	3:	1	6:	6
24 SEP	3	6.0	1:	8	3:	6	6:	7	7 OCT	2	6.0	1:	6	3:	1	6:	10
			7:	2				7 OCT	2	6.0	1:	7	6:	1			
24 SEP	3	6.0	21:	3	22:	1		7 OCT	3	5.0	6:	1	21:	10			
25 SEP	2	6.0	1:	3	3:	31	6:	2	7 OCT	3	6.0	21:	13				
			7:	5				7 OCT	3	6.0	1:	1	21:	2			
25 SEP	2	5.0	1:	2	3:	1	6:	2	7 OCT	3	8.0	1:	44	32:	8		
25 SEP	3	7.0	21:	6	23:	2	24:	11	8 OCT	3	6.0	1:	59	32:	9		
			39:	1				8 OCT	3	3.0	1:	11	6:	3			
25 SEP	3	6.0	1:	12	6:	2	21:	2	8 OCT	2	6.0	1:	8	6:	1		

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			1:	2:	6:	3:	21:	11:				17 OCT	3	8.0	1:	45:	32:
8 OCT	3	7.0	1:	2	6:	3	21:	11:	17 OCT	3	8.0	1:	45:	32:	3		
			23:	19:	55:	1			18 OCT	3	7.0	1:	24:	32:	8		
9 OCT	2	6.0	1:	7	6:	4			18 OCT	3	8.0	1:	33:	6:	1		
9 OCT	2	6.0	1:	1	3:	1	5:	46	18 OCT	3	6.0	1:	22:	32:	8		
9 OCT	3	6.5	1:	3	6:	3	11:	1	18 OCT	3	5.0	1:	12:				
			21:	7	23:	3	24:	11:	18 OCT	3	7.0	1:	21:	6:	9	23:	1
9 OCT	3	5.0	21:	9					19 OCT	3	8.0	1:	19:	6:	2		
9 OCT	3	8.0	1:	42	32:	4			19 OCT	3	6.0	1:	12:	32:	13		
10 OCT	3	7.0	1:	29	6:	11	21:	3	19 OCT	1	3.0	1:	5:	6:	1		
			23:	2					19 OCT	3	6.0	21:	26				
11 OCT	3	8.0	1:	58	6:	7	23:	3	21 OCT	1	6.0	1:	13:	6:	4		
12 OCT	3	7.0	1:	2	6:	2	21:	5	22 OCT	1	6.0	1:	18:	6:	2		
			23:	7	24:	5	39:	1	22 OCT	2	4.0	1:	2:	6:	2		
13 OCT	2	6.0	1:	11	3:	1	6:	4	22 OCT	2	6.0	1:	6:	6:	1		
13 OCT	6	4.0	1:	7	3:	1	5:	3	24 OCT	3	5.0	1:	13:	6:	4		
			6:	5					25 OCT	3	6.0	1:	11:	5:	8	32:	11
13 OCT	3	6.0	1:	32	21:	1	32:	6	25 OCT	3	7.0	1:	20:	5:	22	32:	6
13 OCT	1	7.0	1:	18	8:	7	13:	1	26 OCT	3	1.5	5:	3	6:	6		
13 OCT	3	9.0	1:	12	5:	4	32:	6	26 OCT	1	6.0	1:	5:	6:	3		
13 OCT	3	7.5	1:	25	5:	2	6:	1	28 OCT	1	6.0	1:	9:	6:	4		
14 OCT	3	7.0	1:	67	23:	2			28 OCT	3	4.0	1:	7:	6:	5		
14 OCT	3	8.0	1:	52	32:	4			28 OCT	2	4.0	5:	53	32:	1		
14 OCT	1	6.0	1:	14	8:	11			28 OCT	2	4.0	5:	6				
14 OCT	3	6.0	1:	23	21:	2			29 OCT	3	4.5	1:	5:	5:	17	6:	3
14 OCT	3	6.0	21:	12					29 OCT	1	3.0	6:	33				
14 OCT	3	5.0	1:	23	8:	4	23:	2	29 OCT	1	6.0	1:	17:	6:	6		
14 OCT	3	8.0	1:	37	5:	5	6:	3	29 OCT	3	2.0	5:	4	32:	2		
15 OCT	3	5.0	1:	13	6:	3	12:	1	29 OCT	3	5.0	5:	3	6:	14		
15 OCT	3	7.5	1:	49	6:	7			30 OCT	2	3.0						
15 OCT	2	6.0	1:	8	6:	8			30 OCT	1	6.0	1:	9:	6:	5		
15 OCT	3	5.0	1:	55	8:	8	23:	1	30 OCT	2	5.0	1:	7:	3:	1		
15 OCT	3	6.0	1:	48	22:	1	32:	18	1 NOV	3	8.0	1:	63:	5:	3	6:	7
15 OCT	1	6.0	1:	23	8:	4			2 NOV	3	7.5	1:	49:	5:	11	6:	2
15 OCT	3	8.0	1:	62	6:	14			5 NOV	6	5.0	1:	3:	5:	35	6:	2
15 OCT	3	7.0	1:	57	32:	9					13:	1					
15 OCT	3	7.0	1:	56	6:	2	23:	2	5 NOV	3	4.0	32:	5				
16 OCT	3	7.0	1:	59	23:	1			5 NOV	3	7.0	1:	5:	5:	39		
16 OCT	3	8.0	1:	62	32:	12			6 NOV	3	7.0	1:	36:	2:	1	3:	2
16 OCT	3	5.0	1:	22	8:	2					5:	3	6:	11	13:	1	
16 OCT	3	5.0	1:	21							23:	2					
16 OCT	2	5.0	1:	7	3:	1	6:	8	7 NOV	6	5.0	1:	33:	6:	6		
16 OCT	3	7.5	1:	39	6:	11	23:	3	8 NOV	3	4.0	1:	17:	5:	7	6:	4
17 OCT	3	8.0	1:	30	3:	1	6:	7	8 NOV	3	5.0	5:	3	32:	10		
17 OCT	3	5.0	1:	9	6:	5			13 NOV	6	6.0	1:	33:	3:	1	4:	2
17 OCT	3	6.0	1:	62	32:	6					5:	9	6:	7	13:	1	
17 OCT	3	6.0	1:	20							23:	2					
17 OCT	3	8.0	1:	47	6:	7			14 NOV	2	5.0	5:	26	32:	2		

APPENDIX TABLE 1 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
			1: 13	5: 21	6: 3				1: 21	2: 1	4: 1
18 NOV	3	5.5									
			23: 3								
19 NOV	3	7.0									
			1: 21	2: 1	4: 1						
			5: 3	6: 6							
19 NOV	1	4.0									
			5: 16								
22 NOV	3	5.0									
			1: 11	3: 1	5: 11						
			6: 3								
23 NOV	1	4.0									
			5: 17	6: 2							
26 NOV	6	6.0									
			1: 3	5: 21	6: 7						
26 NOV	3	5.0									
			1: 15	6: 3							
27 NOV	3	5.0									
			1: 23	6: 2							
27 NOV	6	6.0									
			1: 1	5: 19	6: 3						
10 DEC	6	6.0									
			1: 14	5: 14	6: 2						
11 DEC	2	2.0									
			5: 19	6: 1							

APPENDIX TABLE 2. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM NORTH CAROLINA

DATE	ZONE	HOURS FISHED					HOURS FISHED				
		-- CATCH PER SPECIES --					-- CATCH PER SPECIES --				
1 APR	2	6.0	15:156	48: 2	50: 11		4 JUL	3	4.0+	76: 41	
			96: 3				5 JUL	3	6.0	15:225	17: 4 50: 80
2 APR	2	3.0	15: 62	48: 1	50: 7					76: 64	
9 APR	2	6.0	15:250	36: 2	48: 5		9 JUL	1	6.0	15:180	50: 45
			50: 15	96: 5			9 JUL	3	3.0	15:120	17: 1 50: 54
17 APR	3	5.0	15:150	50: 15	76: 8					76: 38	
			96: 2				15 JUL	2	4.0	15:150	50: 12 76: 67
18 APR	3	5.0	15:180	50: 18	76: 4		16 JUL	3	4.0	15:125	50: 70 76: 41
			96: 3							96: 4	
19 APR	2	1.0	15: 10	50: 4						96: 2	
23 APR	3	6.0	15:450	50: 40	76: 4		17 JUL	3	6.0	15:225	17: 2 50: 87
23 APR	2	10.0	15: 25							76: 25	
25 APR	3	6.0	15:300	50: 92	76: 7		20 JUL	1	4.0	15: 52	
30 APR	3	5.0	15:350	50:103	76: 4		23 JUL	3	6.0	15:365	17: 1 50: 32
1 MAY	6	7.0	15:300	17: 3	50: 45					76: 33	
1 MAY	3	6.0	15:360	50: 92	76: 6		25 JUL	3	4.0	15:130	50: 20 76: 14
2 MAY	3	6.0	15:225	50: 74	76: 5		29 JUL	3	5.0	15:200	50: 43 76: 25
5 MAY	6	6.0	15:275	17: 1	50: 30		31 JUL	3	2.0	15: 50	50: 8
7 MAY	6	5.0	15:350	50: 60			3 AUG	3	2.0	15: 65	50: 13 76: 1
7 MAY	3	6.0	15:400	50:140	76: 12		6 AUG	1	5.0	14:200	50: 30
8 MAY	3	3.0	15:120	50: 35			6 AUG	3	5.0	15:150	50: 40 76: 14
15 MAY	4	4.0	15: 60				8 AUG	3	4.0	15:100	17: 1 50: 50
22 MAY	3	2.0	15:150	50: 27	76: 7		9 AUG	3	2.0	15: 75	50: 7 76: 5
27 MAY	2	5.0	15: 80	50: 10			12 AUG	3	4.0	15:140	50: 8 76: 9
2 JUN	1	6.0	15:225				13 AUG	3	6.0	15:300	50: 15 76: 13
11 JUN	3	5.0	15:130	50: 10	76: 2		13 AUG	1	6.0	15:140	50: 20 76: 18
12 JUN	3	6.0	15:175	50: 50	76: 5		17 AUG	3	4.0	15:125	17: 1 50: 18
17 JUN	3	2.0	15: 40	50: 14	76: 15					76: 23	
18 JUN	3	6.0	15:220	50: 55	76: 53		18 AUG	2	2.0	15: 55	50: 12 76: 11
18 JUN	3	6.0	1: 1	2: 3	15:190		18 AUG	1	6.0	14: 80	50: 31 62: 3
			37: 4	50: 22	76: 30					76: 35	
19 JUN	3	5.0	15:125	50: 40	76: 24		20 AUG	3	4.0	15:175	50: 12 76: 16
			96: 2				20 AUG	1	6.0	14:110	50: 27 62: 8
21 JUN	3	5.0	1: 3	2: 1	15: 11					76: 65	
			17: 10				27 AUG	3	6.0	15:300	17: 6 50: 47
22 JUN	3	5.0	1: 1	13: 1	15: 15					76: 29	
			17: 12				2 SEP	1	6.0	1: 5	15:180 50: 70
23 JUN	3	4.0	15: 6	17: 8						76: 30	
25 JUN	3	5.0	15:230	50: 50	76: 63		3 SEP	2	6.0	15:400	50: 35 76: 12
27 JUN	3	5.0	15:175	19: 4	50: 60		4 SEP	3	4.0	15:150	50: 87 76: 37
				76: 52			5 SEP	2	6.0	15: 15	50: 10 76: 20
2 JUL	1	6.0	15:190				10 SEP	3	3.0	15: 75	50: 35 76: 11
2 JUL	3	6.0	15:150	19: 1	50: 55		11 SEP	3	5.0	15:175	50: 17 76: 27
			76: 54				17 SEP	3	4.0	15:225	50: 28 76: 58
3 JUL	3	4.0	15:100	17: 6	50: 50		22 SEP	1	7.0	13: 1	15:180 50: 35
				76: 41						76: 48	
4 JUL	3	4.0	15:160	17: 5	50: 67		24 SEP	2	4.0	15: 65	50: 10 76: 8

APPENDIX TABLE 2 (CONTINUED).

		HOURS		HOURS	
DATE	ZONE	FISHED	-- CATCH PER SPECIES --	DATE	ZONE
25 SEP	2	4.0	15: 60 50: 10		
2 OCT	3	3.0	14: 42 20: 6 50: 18		
29 OCT	3	3.0	1: 4 5: 6 6: 3		
4 NOV	1	6.0	15:230 50: 60		
5 NOV	1	6.0	15:180 50: 15		
6 NOV	1	6.0	15: 90 50: 8		
12 NOV	1	7.0	15:200 50: 30		

APPENDIX TABLE 3. LOGGED 1983 TROLLING CATCH AND EFFORT FROM SOUTH CAROLINA

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			5:	13:	14:	15: 263	16:	17:				4:	5:	6:	12:	10:	
20 APR	6	5.0							16 JUN	2	4.0	3: 4	5: 6	12: 10			
21 APR	6	10.0	5: 1	13: 1	14: 6	15: 263	16: 2	17: 4	18 JUN	2	4.0	3: 15	5: 12	12: 2			
									18 JUN	6	5.5	1: 5	11: 1	21: 6	23: 6		
25 APR	6	4.0	5: 45	13: 1					21 JUN	2	4.0	5: 6	11: 1				
28 APR	6	4.0	5: 26						22 JUN	2	4.0	3: 3	5: 1	12: 10			
30 APR	3	5.5	1: 18						24 JUN	2	4.0	1: 1	3: 4				
3 MAY	6	4.0	3: 2	5: 40					24 JUN	3	5.0	21: 4	24: 2				
4 MAY	6	4.0	3: 7	5: 57					25 JUN	3	6.0	21: 6	22: 5	24: 2			
5 MAY	3	5.0	1: 24									38: 1					
7 MAY	3	5.5	1: 18	11: 1	23: 3				26 JUN	3	5.0	1: 2	11: 2	21: 3			
7 MAY	6	4.0	3: 2	5: 22								22: 3	24: 1				
9 MAY	2	4.0	5: 5						27 JUN	2	8.0	5: 15	11: 1	12: 18			
10 MAY	2	6.0	3: 2	5: 5					28 JUN	2	4.0	3: 4	5: 26	12: 10			
11 MAY	2	4.0	5: 6						30 JUN	2	6.0	1: 2					
12 MAY	2	8.0	2: 1	3: 2	5: 3				1 JUL	2	8.0	1: 6	8: 1				
13 MAY	2	4.0							2 JUL	2	8.0	3: 1	5: 12	12: 2			
14 MAY	2	4.0	5: 17									13: 2					
19 MAY	3	5.0	1: 31						2 JUL	3	6.0	11: 5	21: 1	22: 4			
19 MAY	2	4.0	1: 1	5: 2								24: 2					
20 MAY	2	4.0	1: 1	5: 4					4 JUL	2	8.0	5: 15	11: 1	12: 13			
20 MAY	3	5.0	1: 26						5 JUL	2	4.0	3: 4	5: 26	12: 10			
23 MAY	2	6.0	1: 1	5: 10					6 JUL	2	4.0	3: 1	5: 9				
24 MAY	3	7.0	1: 4	6: 1	11: 1				7 JUL	2	6.0	1: 2					
			21: 3	22: 2					8 JUL	2	9.0	1: 6	6: 1	15: 12			
25 MAY	2	6.0	5: 10						9 JUL	3	5.0	1: 4	11: 5	21: 1			
26 MAY	2	4.0	5: 11									22: 2					
27 MAY	2	4.0	3: 1	8: 1					12 JUL	2	4.0	5: 8	11: 2	12: 10			
27 MAY	3	7.0	6: 1	21: 4	22: 1				13 JUL	2	9.0	1: 2	11: 2				
28 MAY	3	7.0	21: 5	22: 2	24: 2				14 JUL	2	4.0	3: 1	5: 20	70: 1			
28 MAY	2	4.0	14: 2	15: 610	50: 39				16 JUL	2	4.0	3: 1	12: 1				
			91: 1						17 JUL	3	5.0	21: 3	22: 4	24: 12			
30 MAY	2	4.0	5: 2	13: 1					19 JUL	2	6.0	1: 2					
3 JUN	2	8.0	2: 1	3: 6	5: 1				20 JUL	2	4.0	3: 10	5: 10	11: 2			
3 JUN	3	5.5	1: 12	21: 2	24: 2				21 JUL	2	6.0	5: 10	11: 1	13: 4			
4 JUN	3	5.0	1: 10	6: 1	21: 4				22 JUL	2	4.0	3: 20	5: 20				
			22: 2	23: 1	24: 3				23 JUL	2	8.0	5: 58					
6 JUN	2	8.0	3: 3	5: 40	11: 1				23 JUL	3	6.0	11: 2	24: 35				
			13: 1						26 JUL	3	6.0	1: 10	11: 6	21: 4			
7 JUN	2	4.0	5: 10	11: 1								24: 1					
8 JUN	2	8.0	3: 75	5: 7					27 JUL	2	4.0	3: 6	5: 8				
8 JUN	3	5.0	11: 1	21: 4	22: 1				28 JUL	2	4.0	5: 2	11: 2				
			24: 5	38: 1					29 JUL	2	4.0	3: 7	5: 6				
9 JUN	2	4.0	3: 25						30 JUL	2	2.5	12: 1					
11 JUN	2	4.0	5: 12						1 AUG	2	4.0	5: 1	12: 5	24: 1			
14 JUN	2	4.0	3: 7	5: 3					2 AUG	2	8.0	3: 1	5: 5	9: 2			
15 JUN	2	4.0	1: 2	3: 6								12: 25					

APPENDIX TABLE 3 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			5: 5	12: 3	27 SEP	2	4.0	3: 2				8: 1	5: 18	3: 2	11: 1	28 SEP	2	4.0
3 AUG	2	4.0	5: 5	12: 3	27 SEP	2	4.0	3: 2					1: 2					
3 AUG	3	6.0	1: 28	11: 5	27 SEP	2	4.0	8: 1										
4 AUG	2	8.0	3: 4	5: 6	28 SEP	2	4.0											
6 AUG	2	4.0	3: 17	5: 8	11: 2	29 SEP	2	5.0	1: 2									
9 AUG	2	8.0	5: 16	11: 1	30 SEP	2	5.0	1: 18	3: 2	11: 1								
10 AUG	2	8.0	5: 18	11: 2	12: 3	30 SEP	2	4.0	8: 1									
11 AUG	2	8.0	3: 6	5: 27	1 OCT	2	8.0	8: 3	13: 2	87: 1								
11 AUG	3	2.0	1: 2	11: 4	21: 1	3 OCT	2	4.0	3: 1	8: 2	12: 10							
			39: 1			4 OCT	2	4.0	5: 20	13: 1								
12 AUG	2	8.0	3: 7	5: 16		6 OCT	6	6.0	1: 28	2: 2	6: 3							
13 AUG	2	8.0	3: 9	5: 37		8 OCT	2	2.0	1: 13									
14 AUG	2	4.0	3: 10	5: 6	13: 1	12 OCT	2	8.0	8: 1									
15 AUG	2	8.0	5: 6	7: 1	8: 2	13 OCT	2	8.0	5: 1	8: 1								
			12: 22	13: 1		15 OCT	2	4.0	5: 8	13: 1								
16 AUG	2	8.0	5: 8	12: 12		15 OCT	2	6.0	1: 16	3: 2	11: 2							
17 AUG	2	8.0	4: 16			16 OCT	2	4.0	5: 10	13: 2								
17 AUG	3	6.0	1: 2	11: 5	21: 6	18 OCT	2	8.0	5: 5	13: 5								
18 AUG	2	8.0	4: 13	5: 6	11: 1	20 OCT	2	4.0	5: 2									
19 AUG	2	8.0	1: 4	4: 18	8: 1	25 OCT	2	4.0	13: 4									
			10: 1			26 OCT	2	6.0	1: 28	3: 1	5: 4							
20 AUG	2	8.0	4: 25	8: 2	11: 1							6: 6	13: 1					
20 AUG	3	7.0	1: 10	11: 6	23: 1	27 OCT	2	6.0	1: 12	3: 1	6: 4							
21 AUG	2	4.0	3: 10			28 OCT	2	8.0	1: 2	6: 1	13: 2							
23 AUG	2	4.0	3: 10	5: 10	12: 2							14: 2	19: 1					
24 AUG	2	6.0	3: 10	5: 8		29 OCT	2	6.0	1: 29	3: 2	6: 3							
25 AUG	2	6.0	3: 10	5: 6	12: 4							13: 1						
25 AUG	6	6.0	1: 9	11: 4	13: 2	5 NOV	2	6.0	1: 23	6: 8	13: 1							
			22: 1			9 NOV	2	4.0	1: 1									
27 AUG	2	4.0	3: 6	5: 2	12: 16	10 NOV	2	4.0	1: 1	8: 1								
28 AUG	3	7.0	11: 3	23: 2	39: 1	11 NOV	2	6.0	5: 5	13: 2								
30 AUG	2	8.0	5: 16	8: 1	12: 22	12 NOV	2	10.0	1: 2	5: 2	13: 2							
			13: 1			14 NOV	2	4.0	1: 2	5: 8	13: 2							
31 AUG	2	8.0	3: 16			18 NOV	2	4.0	1: 2	5: 10	13: 2							
1 SEP	2	8.0	3: 13	5: 6	11: 1	19 NOV	2	8.0	1: 10	5: 12	13: 5							
2 SEP	2	8.0	1: 2	3: 10	8: 1							17: 1						
3 SEP	2	8.0	3: 25	8: 3	11: 1													
3 SEP	6	6.0	1: 21	6: 8	11: 4													
			23: 2															
6 SEP	2	6.0	1: 20	6: 6	11: 5													
10 SEP	2	6.0	1: 21	6: 1	11: 1													
11 SEP	3	5.0	1: 18	6: 1	11: 2													
			23: 1															
16 SEP	2	8.0																
17 SEP	2	8.0	1: 2	11: 4	13: 3													
19 SEP	2	6.0	1: 2	3: 12														
20 SEP	3	5.0	21: 2	22: 1														
21 SEP	2	4.0	3: 3															

APPENDIX TABLE 4. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM SOUTH CAROLINA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
			15: 63	36: 1	50: 27	14: 6	15:302	17: 4			15:150	50: 3	14: 7	15:253	16: 2	
5 APR	6	10.0	15: 63	36: 1	50: 27	4 JUL	2	5.0	14: 6	15:302	17: 4					
6 APR	6	9.0	15:150	50: 3				20: 5								
6 APR	6	10.0	15:117	36: 1	50: 34	8 JUL	2	5.0	14: 7	15:253	16: 2					
7 APR	6	10.0	5: 10	15: 8				17: 2	20: 4							
26 APR	6	6.0	5: 24			9 JUL	2	6.0	14: 3	15:197	16: 4					
27 APR	6	6.0	5: 7					17: 2	20: 6							
30 APR	6	6.0	5: 16			24 JUL	2	5.0	14: 9	15:363	16: 4					
1 MAY	6	6.0	5: 26					17: 6	20: 4							
2 MAY	6	6.0	5: 8			25 JUL	2	5.0	14: 3	15:152						
5 MAY	6	6.0	5: 29			31 JUL	2	6.0	14: 6	15:234	16: 5					
5 MAY	3	4.0	14: 4	15:283	16: 2			17: 2	20: 1							
			20: 1	50: 22		3 AUG	2	6.0	14: 4	15:306	16: 2					
6 MAY	6	6.0	5: 16					20: 2								
6 MAY	3	4.0	14: 2	15:319	16: 3	5 AUG	2	5.0	14: 3	15:207	16: 1					
			50: 7					20: 3								
7 MAY	3	4.0	14: 6	15:141		6 AUG	2	6.0	14: 4	15:316	20: 2					
24 MAY	2	4.0	14: 2	15:265	16: 2	7 AUG	2	5.0	15:309	16: 4	17: 6					
			36: 1	50: 19				20: 4	21: 1							
25 MAY	2	4.0	14: 1	15:304	16: 5	8 AUG	2	7.0	15:132	20: 2						
			36: 3	50: 11		12 AUG	2	5.0	15:243	16: 6	17: 3					
26 MAY	2	4.0	14: 3	15:560	36: 1	13 AUG	2	6.0	15:307	17: 3	20: 1					
			50: 37			14 AUG	6	4.0	14: 6	15:238	16: 3					
27 MAY	2	4.0	14: 4	15:716	36: 1			20: 2								
			50: 46			18 AUG	6	4.0	14: 3	15:307	16: 4					
29 MAY	3	4.0	14: 4	15:362	17: 2			20: 4								
			20: 3			19 AUG	6	4.0	14: 4	15:328	16: 6					
30 MAY	3	4.0	14: 2	15:387	17: 1			20: 2								
			20: 1			20 AUG	6	4.0	14: 7	15:491	16: 7					
1 JUN	3	4.0	14: 1	15:241				20: 5								
2 JUN	3	4.0	14: 6	15:308	17: 3	21 AUG	6	4.0	14: 3	15:284	16: 3					
			20: 2					20: 6	62: 11							
3 JUN	3	4.0	14: 7	15:341	17: 2	22 AUG	6	5.0	14: 11	15:461	16: 4					
			20: 1					20: 9	62: 18							
6 JUN	3	4.0	14: 6	15:372		26 AUG	6	4.0	14: 2	15:316	16: 2					
16 JUN	3	4.0	14: 4	15:342				20: 3	62: 7							
18 JUN	3	4.0	13: 2	15:409		27 AUG	6	4.0	14: 6	15:430	16: 1					
19 JUN	3	4.0	14: 6	15:361	16: 3			20: 2	62: 41							
			20: 4			28 AUG	6	5.0	14: 3	15:431	16: 5					
20 JUN	3	4.0	14: 4	15:386	16: 2			20: 4	50: 28	62: 31						
22 JUN	3	4.0	14: 2	15:217		1 SEP	6	5.0	14: 2	15:350	20: 5					
25 JUN	3	4.0	14: 1	15:396				50: 18	62: 26							
26 JUN	3	4.0	15: 93			2 SEP	6	5.0	15:380	20: 2	50: 37					
27 JUN	3	4.0	14: 11	15:409	16: 7			62: 18								
1 JUL	2	1.0	15: 20	54: 2	62: 6	4 SEP	6	10.0	14: 14	15:345	16: 6					
2 JUL	3	4.0	14: 4	15:382	16: 5			20: 3	50: 63	62: 22						
3 JUL	2	6.0	14: 11	15:207	17: 3	5 SEP	6	10.0	14: 6	15:425	16: 2					
			20: 2					20: 1	50: 11	62: 17						

APPENDIX TABLE 4 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
			14:	15:	16:				14:	15:	16:
8 SEP	6	10.0	2	350	3						
			50:	46	62: 32						
10 SEP	6	10.0	3	15:400	1						
			50:	17	62: 18						
11 SEP	6	10.0	5	15:475	2						
			20:	2	50: 65	62: 45					
12 SEP	6	10.0	15:200	1	20: 2						
			50:	19	62: 11						
16 SEP	6	10.0	9	15:311	3						
			20:	1	50: 46	62: 65					
17 SEP	6	10.0	7	15:360	2						
			50:	49	62: 70						
18 SEP	6	10.0	11	15:460	3						
			50:	41	62: 67						
20 SEP	6	10.0	6	15:500	2						
			50:	60	62: 75						
21 SEP	6	10.0	3	15:425	1						
			50:	38	62: 71						

APPENDIX TABLE 5. LOGGED 1983 TROLLING CATCH AND EFFORT FROM GEORGIA

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			1:	3	5:	1	15:				1:	4	6:	2	11:	2	
2 MAY	2	3.0	1:	3	5:	1		28 AUG	3	5.0+	15:	1					
6 MAY	2	2.0	1:	1				29 AUG	3	5.0	1:	4	6:	2	11:	2	
20 MAY	3	5.0	1:	6	6:	3	22:	1	31 AUG	2	6.5	1:	1	3:	7	6:	10
25 MAY	2	5.0	2:	1	5:	5		3 SEP	3	5.0	1:	6	6:	5			
27 MAY	2	5.0	5:	25	6:	2		4 SEP	6	2.5							
28 MAY	2	5.0	5:	1	6:	1											
2 JUN	2	4.0	2:	1	5:	20	15:	10									
14 JUN	2	3.5	2:	2	5:	2	6:	1									
					11:	2											
15 JUN	2	4.0	1:	2	2:	4	5:	1									
					11:	1											
17 JUN	2	3.0	1:	1	11:	4											
23 JUN	2	5.0	1:	3	22:	1	24:	2									
25 JUN	2	6.0	1:	2	6:	1	11:	5									
28 JUN	3	2.0	1:	4	6:	2											
29 JUN	3	3.0	1:	2													
30 JUN	3	6.0	1:	3	6:	2	11:	1									
					13:	7	15:	4	24:	4							
2 JUL	2	5.5	1:	7	6:	4	22:	3									
					24:	1											
6 JUL	3	4.0															
18 JUL	6	5.0	1:	3	22:	1											
20 JUL	3	5.0	1:	4	5:	1	6:	4									
					11:	2	13:	5	62:	20							
21 JUL	3	5.0	1:	12	24:	6	62:	15									
22 JUL	6	3.0	11:	3													
25 JUL	2	5.0	1:	2	11:	7											
26 JUL	3	5.0	1:	8	5:	4	11:	1									
					13:	1	24:	1									
2 AUG	3	6.0	1:	5	3:	2	6:	2									
					13:	1	22:	1	24:	3							
5 AUG	3	5.0	1:	5	11:	3	24:	5									
6 AUG	2	5.0	3:	3	11:	6											
9 AUG	2	3.0															
14 AUG	2	5.5	6:	7	11:	12	13:	2									
18 AUG	3	4.5	1:	6	6:	4	24:	1									
19 AUG	3	4.0	1:	4	6:	5	22:	1									
					24:	1											
20 AUG	2	6.0	1:	1	3:	4	6:	6									
					11:	10	13:	2									
21 AUG	2	6.0	1:	1	3:	8	6:	10									
					11:	10											
22 AUG	2	6.0	1:	2	3:	4	6:	3									
					11:	8											
27 AUG	2	6.5	1:	1	3:	7	6:	7									
					11:	9											
28 AUG	3	5.0	1:	3	3:	2	6:	8									

APPENDIX TABLE 6. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM GEORGIA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
			1:	14:	19:	62:				1:	14:	15:	62:
27 APR	3	6.0	62: 40										
28 APR	3	12.0	14: 100	19: 2	62: 200								
29 APR	3	12.0	1: 10	14: 40	62: 40								
1 MAY	2	6.0	5: 43										
2 MAY	2	3.0	14: 25	15: 15									
3 MAY	2	6.0	15: 20	17: 4	62: 20								
4 MAY	2	4.0	15: 20										
6 MAY	2	4.0	4: 8	11: 1									
7 MAY	2	6.0	5: 50										
23 MAY	2	5.0	1: 3	2: 4	5: 10								
26 MAY	2	5.0	2: 3	14: 20	36: 2								
1 JUN	2	4.0	5: 40										
2 JUN	2	1.0											
4 JUN	2	6.0	5: 30	15: 7									
11 JUN	2	5.0	5: 40	7: 1									
28 JUN	3	3.5	1: 5	11: 1	13: 7								
			14: 2	22: 1	24: 10								
					62: 70								
29 JUN	3	2.0	13: 5	15: 10	24: 10								
					62: 35								
30 JUN	3	1.0	62: 20										
6 JUL	3	1.0	15: 3	116: 2									
12 JUL	3	5.0	1: 8	12: 1	13: 4								
			15: 2	24: 2	62: 40								
15 JUL	3	5.0	1: 8	11: 1	13: 4								
			15: 3	24: 8	62: 20								
16 JUL	3	5.0	1: 10	13: 2	15: 2								
					62: 29								
23 JUL	2	5.0	1: 7	11: 4	13: 2								
29 AUG	3	3.0	1: 7	13: 4	15: 1								
					62: 20								
4 SEP	6	1.5	48: 1										

APPENDIX TABLE 7. LOGGED 1983 TROLLING CATCH AND EFFORT FROM NORTHEAST FLORIDA

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			1: 3	4: 1	6: 20	7.0+	6: 3				1: 6	12: 1	1: 7	11: 1	4.0	12: 2
13 APR	3	4.0	1: 3	4: 1	6: 20	7.0+	6: 3	16 JUN	6	7.0+	6: 3	1: 6	12: 1			
14 APR	2	4.0	6: 6			18 JUN	6	7.0	1: 6	12: 1						
17 APR	3	7.0	6: 46			19 JUN	6	7.0	1: 7	11: 1						
18 APR	2	3.0	5: 3	36: 1		20 JUN	2	4.0	12: 2							
21 APR	1	3.0	5: 7			23 JUN	2	2.5	1: 3	6: 1						
25 APR	2	4.0	3: 3	5: 1		24 JUN	6	7.0	1: 10	6: 4	11: 2					
26 APR	2	3.5	3: 1	6: 2	8: 1						24: 1					
27 APR	2	3.0	3: 1	8: 2		25 JUN	2	7.0	1: 7	6: 6	11: 2					
28 APR	2	4.0	3: 1	8: 1	23: 1						13: 1					
28 APR	1	3.0	3: 14	5: 12	12: 5	25 JUN	3	5.0	11: 3							
30 APR	3	5.0	1: 1	6: 10		26 JUN	3	3.0	1: 3							
2 MAY	3	9.0	3: 2	5: 8	6: 21	26 JUN	6	8.0	1: 4	2: 1	6: 4					
			8: 2								11: 2					
3 MAY	6	9.0	1: 3	5: 2	6: 23	28 JUN	2	3.0	1: 2							
6 MAY	2	4.0	3: 15	5: 2		2 JUL	6	7.0	1: 7	3: 1	6: 6					
7 MAY	3	9.0	1: 19	6: 15							11: 3					
8 MAY	6	5.0	1: 4	3: 2	6: 20	2 JUL	2	6.0	1: 7							
11 MAY	3	5.0	1: 6	3: 4	6: 3	3 JUL	2	2.0								
12 MAY	2	3.0	2: 1	3: 1	5: 1	3 JUL	6	6.5	1: 7	6: 3	11: 2					
13 MAY	3	6.0	1: 7	6: 4							12: 1					
14 MAY	3	5.0	1: 11	6: 8	8: 1	4 JUL	6	7.0	1: 4	5: 2	8: 2					
15 MAY	6	6.0	1: 6	3: 1	5: 1						11: 2	13: 1				
			6: 15	8: 1		7 JUL	2	3.5	1: 1	6: 2	11: 5					
16 MAY	2	3.0	3: 1	5: 2		9 JUL	6	7.0	1: 1	3: 1	6: 1					
17 MAY	2	6.0	3: 3	4: 1		16 JUL	3	2.0	1: 1	3: 1						
20 MAY	6	7.0	1: 1	3: 6	5: 10	17 JUL	6	6.0	1: 1	6: 16						
			8: 1	11: 1		21 JUL	2	5.0	36: 1							
21 MAY	3	5.0	1: 6	3: 2	5: 20	22 JUL	2	5.0	1: 1	6: 1						
22 MAY	3	3.0	1: 1	6: 10		23 JUL	2	6.0	1: 2	3: 3	6: 5					
24 MAY	2	3.0	3: 1	5: 1	6: 1	24 JUL	6	6.0	1: 3	3: 1	6: 8					
25 MAY	2	3.0									11: 14	15: 1				
26 MAY	2	4.0	1: 2	6: 12	13: 1	30 JUL	2	7.0	5: 2	12: 29						
27 MAY	3	6.0	1: 1	3: 7	5: 1	4 AUG	2	3.0	3: 2	6: 2	12: 3					
			6: 10	11: 1		5 AUG	6	7.0	1: 4	6: 3	11: 2					
28 MAY	2	4.0	1: 2	3: 1	6: 6	6 AUG	2	3.0	3: 1	6: 2	11: 2					
			11: 2								12: 3					
29 MAY	6	7.5	1: 5	3: 1	6: 8	7 AUG	6	7.0	6: 10	11: 4	24: 1					
			11: 1			10 AUG	6	7.0	6: 2	11: 1	13: 1					
1 JUN	6	7.0	1: 6	3: 1	6: 4	11 AUG	6	7.0	1: 3	6: 1	11: 5					
			11: 2			13 AUG	6	8.0	3: 2	5: 4	11: 4					
3 JUN	2	3.0	3: 1	5: 1	6: 1						13: 3					
4 JUN	6	7.0	1: 5	2: 1	3: 2	14 AUG	6	6.0	1: 1	6: 1						
			6: 6	13: 1		17 AUG	3	6.0	1: 1							
5 JUN	6	7.0	1: 2	3: 2	6: 6	18 AUG	2	3.0	3: 2	6: 1	11: 3					
			24: 1			19 AUG	6	7.0	3: 2	6: 18	11: 2					
15 JUN	2	3.0									12: 1					
16 JUN	6	7.0	1: 3	2: 2	3: 2	20 AUG	2	3.5	1: 2	6: 1						

APPENDIX TABLE 7 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —			
20 AUG	3	5.5	1:	4	36:	1							
21 AUG	6	4.0	3:	1	6:	21							
26 AUG	6	7.0	1:	5	3:	2	6:	7					
			11:	6									
27 AUG	6	7.0	1:	3	3:	3	6:	10					
			11:	7									
27 AUG	3	3.5	1:	2									
28 AUG	6	9.0	1:	7	3:	6	6:	10					
			11:	7									
3 SEP	6	7.0	6:	1									
4 SEP	6	7.0	1:	4	3:	1	6:	6					
			11:	4									
10 SEP	6	7.0	1:	2	3:	2	6:	7					
			22:	1									
18 SEP	6	4.0	3:	1	5:	1	6:	9					
			11:	7	12:	11	13:	2					
26 SEP	2	4.0	1:	1	3:	6	5:	4					
			6:	3	9:	1	12:	6					
27 SEP	1	3.0	2:	1	3:	2	5:	10					
			9:	3	121:	6							
1 OCT	6	7.0	1:	3	3:	1	6:	7					
			11:	3	13:	4							
2 OCT	6	7.0	1:	3	6:	9	13:	3					
3 OCT	6	3.0	3:	1	6:	3	13:	4					
4 OCT	3	3.0	3:	2	6:	6	13:	2					
4 OCT	3	3.0	13:	2									
5 OCT	3	3.0	13:	1									
8 OCT	2	7.0	1:	2	3:	1	6:	5					
			11:	1	12:	1	13:	8					
11 OCT	3	4.0	13:	2									
12 OCT	3	3.0	13:	1	24:	1							
13 OCT	1	3.0	1:	3	6:	1							
14 OCT	1	3.0	1:	1	3:	1	12:	2					
24 OCT	2	3.0	3:	1	6:	1	13:	3					
25 OCT	2	4.0	3:	2	6:	1	12:	1					
27 OCT	2	4.0	1:	1	3:	1	4:	1					
			5:	4									
1 NOV	2	6.0	5:	26	120:	24	121:	3					
2 NOV	2	3.0	5:	6	120:	2	121:	1					
4 NOV	2	4.0											
10 NOV	1	3.0	5:	2	12:	1							
30 NOV	2	3.0	6:	7									
30 NOV	1	2.0	5:	11									
1 DEC	2	7.0	1:	15	6:	8							

APPENDIX TABLE 8. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM NORTHEAST FLORIDA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --								DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --														
			5:	4	15:	5	36:	2	4	8				6.0	36:	3	45:	4	5:	1	45:	28	48:	4				
3 APR	4	6.0	43:	1	45:	28	48:	4	5 AUG	1	6.0	34:	6	45:	1	90:	6	11 AUG	1	4.5	36:	3	45:	3				
4 APR	4	8.0	5:	3	15:	2	36:	3	17 AUG	1	3.5	36:	2	45:	15	48:	5	21 AUG	6	3.0	15:	10	62:	6	76:	6		
9 APR	4	8.5	5:	5	15:	3	36:	2	17 SEP	1	5.0	4:	3	27:	4	45:	5	26 SEP	1	4.0	45:	6	58:	5				
10 APR	4	8.0	15:	3	36:	2	45:	4	27 SEP	1	4.5	45:	7	58:	4	48:	6	1 OCT	1	5.0	4:	2	45:	4	58:	23		
10 APR	3	4.0	5:	3	6:	4	15:	2	2 OCT	3	6.0	15:	65	50:	2	70:	2	17:	2	60:	10	76:	6	91:	1			
11 APR	4	8.5	15:	4	36:	2	45:	3	5 OCT	3	3.0	15:	20	48:	8	19 OCT	1	4.0	12:	6	45:	10	90:	2				
16 APR	1	6.0	5:	4	45:	18	58:	1	21 OCT	1	3.5	4:	2	15:	2	90:	16	93:	2	58:	6	70:	2	34:	8			
17 APR	1	7.5	5:	1	43:	2	45:	15	2 NOV	1	3.0	15:	4	45:	8	90:	17	93:	2	3 NOV	1	4.0	4:	3	58:	3		
20 APR	3	4.0	15:	75	50:	3			8 NOV	1	4.0	4:	2	58:	13													
22 APR	3	6.0	15:	130	50:	5			10 NOV	1	3.0	4:	6	58:	6										70:	2		
27 APR	3	3.5	15:	53	30:	5	50:	4	11 NOV	1	3.0	5:	5	58:	7													
28 APR	1	3.0	5:	3	12:	4	90:	4	12 NOV	1	5.0	4:	4	5:	6										58:	14		
29 APR	3	6.0	14:	1	15:	50	30:	30	14 NOV	1	5.0	4:	5	15:	3										58:	6		
30 APR	1	3.0	34:	4	70:	1	90:	6	16 NOV	1	4.0	4:	3	58:	7													
3 MAY	3	3.0	3:	1	15:	65	30:	6	19 NOV	1	5.0	4:	5	58:	13	50:	2	76:	6	20 NOV	1	4.0	4:	5	5:	6	58:	6
6 MAY	3	3.5	3:	1	15:	73	30:	3	21 NOV	1	5.0	4:	6	5:	10										58:	13		
21 MAY	3	4.0	15:	70	30:	1																			70:	2		
22 MAY	3	3.0	15:	100					22 NOV	1	6.0	4:	2	5:	10											58:	7	
28 MAY	2	2.0	2:	1	15:	25	17:	1	23 NOV	1	4.0	4:	1	5:	9										58:	2		
1 JUN	1	6.0	9:	1	12:	2	36:	1	25 NOV	1	5.0	4:	1	5:	20										58:	10		
			45:	6	90:	10			27 NOV	1	5.0	4:	2	5:	35										58:	2		
3 JUN	1	6.0	5:	1	36:	1	45:	10	28 NOV	1	4.0	4:	2	5:	7										58:	4		
			90:	11					30 NOV	1	3.0	4:	3	5:	7										15:	3		
4 JUN	3	6.0	15:	175	50:	12	76:	4																				
18 JUN	2	5.0	36:	5																								
19 JUN	2	5.0	36:	4																								
20 JUN	2	6.0	36:	2																								
21 JUN	2	3.0	36:	3																								
26 JUN	3	4.0	15:	55	50:	4																						
27 JUN	2	4.0	36:	4																								
28 JUN	3	8.0	15:	50	50:	2																						
2 JUL	2	1.0	45:	9																								
3 JUL	2	3.0	36:	3																								
13 JUL	2	4.0	36:	3	45:	7	90:	4																				
16 JUL	3	4.0	1:	2	13:	1	15:	100																				
27 JUL	2	4.0	1:	10																								
3 AUG	1	6.0	34:	9																								

APPENDIX TABLE 9. LOGGED 1983 TROLLING CATCH AND EFFORT FROM EAST FLORIDA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES ---						DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES ---																	
			1:	1	11:	3	23:	1				5 APR	3	7.0+	68:	2	4.0	5:	9										
2 MAR	6	4.0	1:	1	11:	3	23:	1	5 APR	3	7.0+	68:	2	4.0	5:	9	8:	1	11:	1									
3 MAR	6	7.5	7:	11	11:	5	29:	1	5 APR	3	2.0	8:	3	5 APR	3	0.5													
4 MAR	6	4.0	1:	2	7:	7	11:	3	6 APR	3	3.0	6:	2	13:	1	68:	1	6 APR	3	2.5									
5 MAR	6	4.0	7:	4	11:	3	24:	3	6 APR	3	1.5	8:	2	86:	1														
7 MAR	6	7.0	1:	2	5:	4	24:	1	6 APR	3	4.0	1:	1	5:	3	8:	1	39:	1	68:	3								
8 MAR	6	7.5	1:	1	5:	1	7:	14	6 APR	3	7.0	11:	1	23:	1	24:	12	8:	1	11:	3								
9 MAR	6	4.0	2:	1	7:	27	11:	7	7 APR	6	3.5	2:	2					6 APR	2	3.0									
10 MAR	6	7.0	1:	9	11:	3	22:	1	7 APR	3	6.0	5:	7	24:	6														
11 MAR	6	7.5	1:	3	8:	2	11:	5	7 APR	3	2.0	2:	1	8:	4	17:	2	1:	3	2.5	8:	1							
13 MAR	6	4.0	8:	5	11:	2	22:	1	7 APR	3	2.0																		
16 MAR	6	4.0	1:	2	7:	13	11:	9	8 APR	3	2.5	8:	9																
21 MAR	6	6.0	1:	3	5:	4	8:	2	8 APR	3	3.5	24:	9	24:	3														
23 MAR	6	4.0	1:	1	11:	2			9 APR	3	7.0	24:	10	68:	3														
24 MAR	6	4.0	7:	12	11:	7	60:	1	9 APR	3	2.5	1:	5	8:	4	17:	1	9 APR	3	5.0									
25 MAR	6	4.0	1:	1	7:	7	11:	2	10 APR	3	1:	15	5:	1	8:	17													
26 MAR	6	4.0	1:	2	60:	1					17:	1																	
29 MAR	6	7.5	1:	10	8:	1	11:	3	10 APR	6	7.5	1:	3	13:	2														
30 MAR	6	7.0	1:	6	11:	2	39:	1	10 APR	3	2.0	1:	12	8:	7														
30 MAR	3	1.0	8:	5					11 APR	3	3.0	5:	2	8:	3														
31 MAR	3	4.5	8:	6	22:	2	24:	1	12 APR	3	3.0	1:	20	8:	1														
31 MAR	6	4.0	1:	2	11:	3	24:	1	12 APR	3	3.5	1:	12	6:	3														
1 APR	6	5.0	1:	5	11:	8	24:	2	13 APR	3	4.0	1:	7	5:	1	6:	4												
1 APR	6	5.5	7:	10	11:	9	13:	2	13 APR	3	4.0	1:	37	5:	2	8:	2	39:	2		5.0	1:	24	8:	10				
1 APR	3	3.5	1:	4	8:	4			14 APR	6	5.0	1:	9	11:	3														
1 APR	3	3.0							15 APR	6	4.0	1:	11	11:	1														
2 APR	6	7.0	11:	3	13:	6	19:	1	15 APR	6	2.5	1:	4	11:	3	21:	1												
3 APR	3	4.0	1:	2	8:	1	11:	2			24:	8																	
3 APR	3	5.0	1:	3	8:	14			16 APR	3	3.5	22:	1	24:	5														
3 APR	3	2.5	8:	6	13:	1			16 APR	3	2.0	1:	1	8:	1														
3 APR	3	1.0							17 APR	3	7.0	5:	2	24:	1	39:	1												
4 APR	3	1.0							17 APR	3	4.5	1:	13	6:	25	13:	1												
4 APR	3	2.0	1:	6	8:	5			18 APR	3	2.0	1:	18	5:	1	8:	6												
4 APR	3	2.5	1:	2	3:	1	8:	2	18 APR	3	4.0	1:	1	5:	8	6:	4												
4 APR	3	7.0	8:	3					18 APR	6	4.0	1:	5	8:	3	39:	1												
4 APR	6	7.5	1:	3	8:	2	11:	4	19 APR	3	2.5	6:	3																
4 APR	6	3.0	11:	4	12:	1	68:	1	19 APR	6	2.0	1:	16	5:	5	8:	6												
5 APR	3	7.0	11:	3	24:	6	39:	2	19 APR	2	4.0	3:	48	5:	16	7:	3												

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —								DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —								
			1:	2	5:	1	11:	1	1:	2				1:	2	8:	2	11:	1	24:	9	
20 APR	6	2.0	1:	2	5:	1	11:	1	4 MAY	6	3.5	1:	2	9:	1	11:	1	39:	1			
20 APR	3	1.0							4 MAY	2	3.0	13:	1									
21 APR	3	4.0	1:	4	5:	1	6:	11	5 MAY	3	3.5	8:	2	11:	1	24:	9					
			36:	1	46:	1			5 MAY	3	3.5											
21 APR	3	2.0	1:	1	8:	12			6 MAY	6	7.0	1:	9	6:	3	11:	4					
21 APR	3	5.5	1:	3	6:	25			6 MAY	6	7.0	1:	9	6:	3	11:	4					
21 APR	6	7.5	1:	2	8:	1	23:	1	6 MAY	6	7.0	1:	11									
			24:	7	39:	1			6 MAY	6	7.0											
22 APR	3	3.5	8:	1	24:	14			6 MAY	3	3.0	3:	1	39:	1							
22 APR	3	3.0	1:	5	3:	3	5:	1	6 MAY	3	5.5	1:	4	5:	2	8:	15					
				6:	11				6 MAY	3	5.5	1:	4	5:	2	8:	15					
23 APR	3	4.0	24:	2	55:	1			6 MAY	3	3.0	1:	3	3:	3	6:	4					
23 APR	2	4.0							7 MAY	3	2.0	1:	1	3:	1	6:	36					
25 APR	6	5.0	1:	11	8:	1	11:	2				12:	1									
26 APR	6	3.5	1:	2	8:	2	11:	3	7 MAY	3	5.5	1:	2	5:	3	8:	7					
26 APR	3	2.5	1:	1	3:	2	6:	1	7 MAY	3	3.0	22:	1	24:	1							
			8:	1	12:	1			7 MAY	3	3.0	1:	3	6:	15							
26 APR	6	6.0	1:	7	5:	3	11:	2	7 MAY	3	3.0	1:	14	11:	2							
			24:	5					7 MAY	6	6.5	1:	7	6:	4	23:	1					
27 APR	6	2.5	5:	1	24:	2						24:	2									
27 APR	3	6.0	6:	3	7:	1			8 MAY	1	1.0	5:	3	9:	5	100:	7					
27 APR	6	3.5	1:	1	11:	1			8 MAY	3	3.5	6:	15									
27 APR	3	5.0	1:	3	2:	1	3:	1	8 MAY	3	4.0	1:	3	3:	1							
			8:	15					8 MAY	3	3.0	1:	1	6:	16							
28 APR	3	5.0	22:	1					9 MAY	3	2.0	1:	5	6:	17							
28 APR	3	3.5	5:	1	24:	1			9 MAY	3	2.0											
28 APR	3	3.0	2:	1	6:	15			10 MAY	3	2.5	1:	2	6:	7							
28 APR	6	2.5	1:	5					10 MAY	6	4.0	1:	9	8:	2							
29 APR	2	3.0							10 MAY	3	6.0	1:	1	22:	1	24:	1					
29 APR	6	4.0	1:	5	11:	7	24:	1	11 MAY	3	4.5	1:	2	8:	22	12:	1					
30 APR	3	6.0	1:	1	3:	1	6:	4	11 MAY	6	3.5	1:	11	8:	1	11:	2					
30 APR	3	5.0	1:	35	8:	7			11 MAY	3	3.0											
30 APR	3	2.0	1:	5	6:	5	68:	1	11 MAY	3	3.0											
1 MAY	3	1.0	6:	3					11 MAY	3	2.0	1:	1	3:	1							
1 MAY	3	5.5	1:	10	3:	5	5:	1	12 MAY	3	7.0	1:	4	6:	18	24:	1					
			8:	20					12 MAY	6	4.0	1:	7	11:	1							
1 MAY	3	1.5	1:	3	6:	3			12 MAY	3	6.0	22:	1	24:	3							
1 MAY	1	3.0	5:	7	6:	1	9:	4	13 MAY	3	5.0	1:	6	3:	1	8:	10					
2 MAY	3	4.0	1:	2	2:	2	3:	25	13 MAY	3	2.0	1:	6	3:	1	6:	12					
			5:	2					13 MAY	6	3.0	1:	9	11:	3							
2 MAY	3	5.5	1:	12	3:	7	5:	3	13 MAY	3	3.5	6:	8	24:	1							
			8:	12	11:	1			13 MAY	6	4.0	1:	19	5:	5	6:	3					
3 MAY	6	6.0	1:	3	9:	2	11:	2	14 MAY	6	3.5	1:	3	24:	2							
			23:	1					14 MAY	3	3.0	1:	1	5:	5	6:	5					
3 MAY	2	1.5	1:	2					14 MAY	3	1.0	23:	1									
4 MAY	2	2.0							14 MAY	3	1.0	1:	1	3:	1	6:	2					
4 MAY	3	3.0	13:	1					14 MAY	3	1.0	1:	3	3:	1	8:	5					

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —								
			1:	4	3:	1	6:	6				7.5+	24:	7	1:	1	23:	3	24:	2
15 MAY	3	2.0	1:	4	3:	1	6:	6	29 MAY	6	7.5+	24:	7							
15 MAY	6	3.5	1:	7	6:	5			29 MAY	3	0.5	1:	1							
16 MAY	3	4.0	1:	4	3:	3	6:	11	29 MAY	3	6.0	23:	3	24:	2					
16 MAY	6	4.0	1:	3	2:	1	11:	1	29 MAY	3	6.0	1:	6	3:	1	6:	6	7:	1	
			23:	5	24:	2														
17 MAY	3	4.5	1:	4	5:	3	6:	2	30 MAY	3	4.0	1:	4	3:	1					
			7:	1	24:	4			30 MAY	6	4.0	1:	13	8:	3	23:	1			
20 MAY	3	4.0	1:	4	3:	7	5:	3	30 MAY	3	6.0	22:	2							
			6:	3	7:	1	12:	1	31 MAY	3	2.5	1:	2	3:	1	8:	8			
20 MAY	6	4.0	1:	5	8:	2	11:	3	31 MAY	6	7.5	1:	11	8:	1	11:	1			
21 MAY	3	5.0	1:	3	6:	7	7:	4	1 JUN	6	4.0	1:	17							
			24:	5					1 JUN	3	4.5	1:	7	6:	12	24:	1			
22 MAY	3	3.0	1:	2					1 JUN	3	4.0	1:	22	3:	1	6:	5			
22 MAY	3	4.0	1:	4	3:	4	5:	1				24:	1							
			6:	14	7:	1			1 JUN	6	2.0	1:	1	6:	3	24:	4			
23 MAY	3	4.0	1:	10	3:	8	6:	4	2 JUN	6	3.0	6:	6	22:	1	24:	9			
			7:	1	11:	1			2 JUN	3	2.0	1:	2	3:	5	11:	1			
23 MAY	3	5.0	1:	5	3:	2	6:	11	2 JUN	3	4.5	1:	5	8:	5					
			12:	1	13:	2			2 JUN	3	5.0	1:	10	6:	4	24:	1			
23 MAY	6	6.0	1:	17					2 JUN	6	4.0	1:	6	7:	2	8:	1			
24 MAY	3	5.0	1:	10	3:	1	6:	7				22:	1							
24 MAY	6	3.5	1:	11	8:	1	11:	1	3 JUN	3	4.0	1:	7	6:	6	24:	1			
			24:	2					3 JUN	3	2.0	1:	3	8:	2					
24 MAY	3	4.5	1:	3	3:	1	6:	8	4 JUN	3	5.0	1:	10	3:	5	8:	6			
			7:	1	12:	1	68:	1			13:	1								
			72:	1					4 JUN	3	4.0	1:	24	3:	1	6:	4			
25 MAY	6	4.0	1:	9	8:	2	11:	3	4 JUN	3	5.5	1:	3	13:	2					
			65:	2					4 JUN	3	3.0	6:	1	12:	1	24:	1			
25 MAY	3	3.0	6:	2					4 JUN	6	5.0	1:	2	8:	2	10:	2			
25 MAY	3	2.0	1:	2	3:	2	6:	1			13:	1								
			11:	1	17:	1			4 JUN	3	3.5	11:	3	23:	1	24:	5			
25 MAY	6	2.0	1:	5	11:	2			4 JUN	2	4.0	12:	1	24:	3					
26 MAY	6	1.5	1:	4	11:	1			5 JUN	6	3.5	1:	2	6:	1	11:	4			
26 MAY	3	3.5	1:	1	5:	3	6:	3			23:	1	24:	5						
			7:	1	11:	1	12:	1	5 JUN	6	7.0	1:	2	24:	3					
26 MAY	3	4.0	1:	1	3:	1	6:	6	5 JUN	3	6.0	1:	12	3:	2	6:	4			
			7:	2	11:	2					7:	1	11:	1						
27 MAY	3	4.0	1:	1	6:	3			5 JUN	3	3.5	1:	28	3:	3	6:	2			
27 MAY	3	6.0	24:	3					6 JUN	3	4.0	1:	11	3:	1	6:	10			
27 MAY	6	4.0	1:	17	65:	1			6 JUN	3	1.5	1:	6	6:	7					
28 MAY	6	4.0	1:	15	11:	1	65:	1	7 JUN	3	2.5	1:	6	3:	2	5:	1			
			68:	3							6:	2	7:	3	11:	1				
28 MAY	3	6.0	21:	2	24:	2			7 JUN	3	1.0	1:	3	6:	1					
28 MAY	3	4.0	1:	11	5:	7	39:	1	8 JUN	3	5.0	1:	8	3:	1	5:	1			
28 MAY	3	8.0	11:	1	24:	13					6:	10	7:	3	11:	1				
28 MAY	3	6.0	1:	1	6:	3					13:	1	36:	1						
29 MAY	6	7.5	1:	9	6:	5	11:	4	9 JUN	3	3.5	1:	3	5:	3	11:	1			

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			6: 1	11: 2	22: 1	24: 1	1: 15	3: 3				24: 1	1: 6	11: 1	1: 8	6: 9	3: 1	
10 JUN	3	7.0	6: 1	11: 2	22: 1	39: 1	21 JUN	3	4.5	1: 15	3: 3	8: 4	24: 1	1: 6	11: 1	1: 8	6: 9	
10 JUN	6	3.5	1: 1	24: 4			21 JUN	3	2.0	1: 6	11: 1							
11 JUN	6	3.5	1: 1	6: 6	23: 1	24: 2	39: 1	22 JUN	3	3.0	1: 8	6: 9	22 JUN	3	1.0	3: 1	24: 59	
11 JUN	3	5.5	1: 1	3: 6	6: 8			22 JUN	3	6.0	24: 47							
11 JUN	3	4.0	1: 4	3: 1	7: 1	8: 10	23 JUN	3	7.5	2: 0	3: 2	6: 1	23 JUN	3	2.0	3: 2	6: 1	
12 JUN	3	4.5	1: 1	3: 2	7: 1	8: 14	23 JUN	3	5.5	1: 10	3: 4	8: 9	23 JUN	3	11: 3	22: 1	24: 2	
12 JUN	3	2.0	3: 1	6: 2			23 JUN	3	6.0	1: 4	6: 2	16: 6	23 JUN	3				
12 JUN	3	3.5	1: 7	6: 5	24: 1		24 JUN	3	4.5	24: 3								
12 JUN	6	7.5	1: 3	6: 5	11: 5	23: 1	24: 2	39: 1	24 JUN	3	1: 12	3: 4	8: 7	24 JUN	3	11: 4	13: 4	
13 JUN	6	3.5	6: 2	24: 19			24 JUN	3	3.0	6: 2	11: 1	24: 42	24 JUN	3				
13 JUN	3	3.5	1: 4	3: 1	6: 6		25 JUN	6	3.0	6: 1	11: 1	24: 1	25 JUN	6				
14 JUN	3	1.0	1: 2	6: 4			25 JUN	3	4.5	1: 8	3: 4	8: 3	25 JUN	3				
14 JUN	3	3.0	1: 2	3: 6	6: 1					11: 4	22: 1							
15 JUN	3	3.0	1: 2	6: 5			25 JUN	3	4.0	1: 6	3: 3		25 JUN	3				
15 JUN	3	2.5	1: 1	8: 2	11: 3		25 JUN	3	3.5	1: 3	6: 3	11: 2	25 JUN	3				
15 JUN	3	3.0	1: 4	3: 1	6: 1					24: 2								
16 JUN	3	2.0	1: 6	6: 5	11: 1		26 JUN	3	4.0	1: 8	2: 2	6: 7	26 JUN	3				
16 JUN	3	4.5	1: 6	8: 3	13: 1					11: 1	12: 2	24: 1	26 JUN	3				
16 JUN	3	3.0	1: 4	6: 4						39: 1								
16 JUN	3	5.0	11: 1	24: 4			26 JUN	3	2.5	1: 2	6: 2		26 JUN	3				
17 JUN	3	2.0	1: 5	6: 2	11: 1		26 JUN	3	4.5	1: 7	3: 4	8: 5	26 JUN	3				
17 JUN	3	2.5	1: 3	8: 1			26 JUN	3	4.0	7: 7	11: 17		26 JUN	3				
17 JUN	3	5.5	1: 6	6: 5			27 JUN	3	3.5	24: 28								
17 JUN	3	5.0	22: 1	24: 2			27 JUN	3	2.0	1: 1	6: 2	11: 1	27 JUN	3				
18 JUN	6	4.0	8: 2	24: 1			27 JUN	3	4.0	1: 6	6: 3	11: 3	27 JUN	6				
18 JUN	3	2.0	6: 1	13: 1			27 JUN	6	4.0	1: 2	8: 1	11: 2	27 JUN	6				
18 JUN	3	4.5	1: 3	3: 2	7: 1	8: 4	24: 2		28 JUN	3	4.5	1: 6	3: 3	8: 6	28 JUN	3		
18 JUN	3	3.0	1: 5	3: 1			28 JUN	3	2.0	2: 1	11: 3	24: 7	28 JUN	3				
18 JUN	3	6.0	6: 3	24: 7			29 JUN	3	4.5	1: 8	7: 2	8: 2	29 JUN	3				
18 JUN	6	3.5	1: 4	6: 6	23: 3	24: 3	39: 1	29 JUN	3	4.0	1: 3	6: 5	7: 1	29 JUN	3			
19 JUN	3	3.0	1: 1	3: 3	6: 2	11: 2		29 JUN	3	4.5	1: 11	6: 7		29 JUN	3			
19 JUN	3	4.5	1: 3	22: 1	24: 1		30 JUN	3	2.0	1: 4	6: 1		30 JUN	6	4.0	11: 1	19: 1	23: 2
19 JUN	3	4.5	1: 17	6: 2	24: 2	78: 1	30 JUN	3	4.0	24: 1			30 JUN	3	2.0	1: 1	3: 1	7: 2
19 JUN	6	5.0	11: 1	24: 2	68: 1		30 JUN	3	2.0	1: 1	3: 1	7: 2	30 JUN	3	11: 2	13: 1		
20 JUN	3	5.0	1: 10	6: 2	11: 1		1 JUL	3	4.5	1: 2	3: 6	7: 2	1 JUL	3				
20 JUN	3	4.5	1: 6	3: 6	8: 2	11: 3	13: 2	36: 1	1 JUL	6	7.0	24: 17						
20 JUN	3	3.0	1: 2	3: 5	6: 1	2 JUL	3	2.0	1: 3	11: 1	24: 4	2 JUL	3					

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED						HOURS FISHED					
		-- CATCH PER SPECIES ---						-- CATCH PER SPECIES ---					
2 JUL	3	4.5	1: 3	8: 7				11 JUL	3	2.0	1: 2	6: 1	11: 2
2 JUL	3	1.0	6: 1					12 JUL	3	4.5	1: 20	6: 4	13: 1
2 JUL	6	3.5	2: 5	6: 4	11: 2	24: 2		12 JUL	3	3.0	1: 7	6: 2	11: 6
3 JUL	3	1.5	1: 3	6: 1				12 JUL	6	3.5	6: 7	11: 3	
3 JUL	3	2.5	8: 1	11: 2				13 JUL	3	4.0	1: 12	3: 4	8: 20
3 JUL	3	5.0	1: 23	6: 25				13 JUL	3	1.5	6: 1	11: 2	
3 JUL	6	3.0						13 JUL	6	2.5	8: 5	11: 1	
3 JUL	6	7.5	8: 12	11: 1	24: 3			14 JUL	6	3.5	1: 1	8: 2	11: 2
4 JUL	6	7.0	6: 2	7: 1	11: 3			14 JUL	3		24: 6		
4 JUL	6	7.5	8: 11	11: 3	22: 1	24: 7		14 JUL	3	2.0	1: 4	6: 1	
4 JUL	3	4.0	1: 1					14 JUL	3	4.0	1: 6	3: 1	8: 10
4 JUL	3	2.5	1: 2	8: 1							11: 7		
4 JUL	3	2.0	1: 1	6: 3	11: 1			14 JUL	3	5.0	1: 9	6: 18	
5 JUL	3	3.0	1: 2	6: 6				15 JUL	3	1.5	1: 2	6: 1	11: 1
5 JUL	3	4.5	1: 2	8: 7	11: 3			15 JUL	3	4.5	1: 9	3: 3	8: 5
5 JUL	3	2.0	1: 5	6: 9				15 JUL	3	2.0	1: 2	6: 2	
5 JUL	6	6.0	8: 9	11: 1	24: 2			15 JUL	6	4.0	24: 2		
5 JUL	6	3.5	1: 2	7: 5	8: 2	11: 1	24: 4	15 JUL	6	3.0	6: 1	11: 6	
6 JUL	6	9.0	8: 15	24: 13				16 JUL	6	3.5	1: 1	6: 9	
6 JUL	3	2.5	6: 4					16 JUL	3	5.5	1: 6	6: 4	
6 JUL	3	4.0	1: 1	8: 3	11: 1			16 JUL	3	2.0	1: 3	6: 12	
6 JUL	3	4.0	1: 10	6: 19	11: 1			16 JUL	3	4.5	1: 4	3: 7	8: 10
7 JUL	3	4.0	1: 3	8: 5	11: 2			17 JUL	3		11: 4		
7 JUL	3	3.0	1: 3	6: 13	11: 3			17 JUL	3	4.0	1: 10	3: 1	8: 12
7 JUL	3	6.0	1: 2	6: 1	7: 1	68: 1		17 JUL	3	3.0	1: 2	6: 9	11: 3
7 JUL	6	7.5	8: 2	24: 7				17 JUL	3	4.0	1: 2	8: 10	11: 1
8 JUL	6	8.0	8: 6	11: 2	24: 6			17 JUL	6		22: 1		
8 JUL	3	4.5	11: 3					17 JUL	6	3.5	1: 1	6: 7	7: 1
8 JUL	3	4.0	1: 3	6: 4	11: 3			17 JUL	6		11: 4	23: 1	
8 JUL	6	3.5	8: 10	24: 2				18 JUL	2	1.5	1: 2		
9 JUL	3	4.0	1: 8	6: 2	11: 1			18 JUL	3	5.5	1: 4	3: 2	6: 6
9 JUL	3	2.5	1: 2					18 JUL	3		11: 3		
9 JUL	6	4.0	8: 2	24: 3				18 JUL	3	4.0	8: 1	11: 18	
9 JUL	3	2.0	1: 1	6: 3	11: 3			18 JUL	3	3.0	6: 11	11: 1	24: 1
10 JUL	3	1.0	1: 3	6: 3	11: 1			19 JUL	3	2.0	1: 3	6: 8	
10 JUL	3	7.0	6: 1	11: 1	24: 4			19 JUL	3	4.0	11: 7	39: 2	
10 JUL	3	4.5	1: 4	3: 6	8: 7	11: 4	13: 1	19 JUL	3	2.0	1: 1	3: 1	
10 JUL	6	5.0	6: 20	11: 1				19 JUL	6	7.0	1: 1	6: 2	11: 1
11 JUL	3	3.0	1: 1	6: 1	11: 1			19 JUL	6	7.5	22: 1	23: 1	24: 12
11 JUL	3	4.5	1: 2	3: 2	8: 15	11: 6		20 JUL	3	4.0	1: 5	8: 15	
11 JUL	3	7.0	1: 4	6: 6				20 JUL	3	3.0	1: 10	6: 24	11: 1
11 JUL	3							21 JUL	3	3.0	1: 2	6: 27	11: 1

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			11: 2	13: 2	15: 13	31 JUL	3	3.0				1: 12	6: 9	1: 10	3: 3	6: 7	
21 JUL	3	4.0	11: 2	13: 2	15: 13	31 JUL	3	3.0	1 AUG	3	3.0	1: 12	6: 9	1: 10	3: 3	6: 7	
21 JUL	3	3.5	1: 4	8: 21	39: 1	1 AUG	3	3.0	1 AUG	3	3.0	1: 12	3: 4	8: 16	11: 1	11: 2	24: 1
21 JUL	3	3.0	6: 3	11: 2					1 AUG	3	4.5	1: 12	3: 4	8: 16	11: 1	11: 2	24: 1
21 JUL	6	3.5	1: 5	6: 9	7: 1	1 AUG	3	4.5	1 AUG	3	4.0	1: 2	3: 3	6: 10	11: 1	11: 2	24: 1
22 JUL	6	3.5	1: 1	6: 12	24: 2	1 AUG	3	4.0	1 AUG	3	4.0	1: 2	3: 3	6: 10	11: 1	11: 2	24: 1
22 JUL	3	1.0	1: 2			1 AUG	6	6.5	1 AUG	6	6.5	1: 6	6: 10	11: 5	24: 4	24: 4	24: 4
22 JUL	3	3.5	1: 8	8: 10	11: 3	2 AUG	3	4.5	1 AUG	6	6.5	1: 10	3: 6	8: 12	11: 1	11: 3	11: 3
22 JUL	3	3.0	1: 3	6: 12	11: 1	2 AUG	3	4.5	2 AUG	3	3.0	1: 15	6: 16	11: 2	11: 2	11: 2	11: 2
23 JUL	3	4.5	1: 6	3: 2	8: 1	2 AUG	3	3.0	2 AUG	3	3.0	1: 2	6: 13	24: 3	24: 3	24: 3	24: 3
23 JUL	3	4.0	1: 3	6: 8	11: 2	2 AUG	3	3.0	2 AUG	3	3.0	1: 15	6: 16	11: 2	11: 2	11: 2	11: 2
23 JUL	3	4.0	1: 4	3: 2	6: 7	2 AUG	6	4.0	2 AUG	6	4.0	8: 17	11: 2	13: 1	24: 2	24: 2	24: 2
23 JUL	3	4.0	11: 2			2 AUG	6	7.0	2 AUG	6	7.0	1: 2	8: 21	11: 1	65: 1	65: 1	65: 1
23 JUL	3	4.0	24: 13	39: 1		3 AUG	6	7.0	3 AUG	6	7.0	1: 2	8: 21	11: 1	11: 2	11: 2	11: 2
24 JUL	6	5.0	1: 2	8: 7	22: 1	3 AUG	3	5.0	3 AUG	3	5.0	1: 10	3: 3	6: 15	24: 5	24: 5	24: 5
24 JUL	3	4.5	1: 7	3: 1	8: 9	3 AUG	3	5.0	3 AUG	3	5.0	1: 2	6: 13	24: 3	24: 3	24: 3	24: 3
24 JUL	3	4.0	1: 12	3: 5	6: 13	3 AUG	3	2.0	3 AUG	3	4.0	1: 1	8: 5	11: 1	11: 1	11: 1	11: 1
24 JUL	3	4.0	11: 2	36: 1		3 AUG	3	4.0	3 AUG	3	4.0	1: 4	3: 2	6: 10	11: 2	11: 2	11: 2
24 JUL	6	3.5	1: 3	6: 9	11: 2	3 AUG	6	3.0	3 AUG	6	3.5	1: 9	6: 16	22: 1	11: 3	11: 3	11: 3
25 JUL	6	4.5	1: 1	6: 6	11: 8	3 AUG	6	3.0	4 AUG	6	3.5	1: 2	6: 7	7: 4	39: 1	39: 1	39: 1
25 JUL	6	4.5	22: 1			4 AUG	6	3.5	4 AUG	6	3.5	1: 18	8: 22	11: 4	11: 4	11: 4	11: 4
25 JUL	3	4.0	1: 3	3: 4	6: 17	4 AUG	3	4.5	4 AUG	3	4.0	1: 2	3: 1	6: 23	39: 1	39: 1	39: 1
25 JUL	3	4.0	11: 4	12: 1	13: 1	4 AUG	3	4.5	4 AUG	3	4.0	1: 5	24: 3	24: 3	24: 3	24: 3	24: 3
25 JUL	3	4.0	1: 12	8: 3	11: 4	4 AUG	3	4.0	4 AUG	3	6.0	1: 12	6: 10	7: 2	24: 1	24: 1	24: 1
26 JUL	3	4.0	1: 4	3: 2	6: 9	4 AUG	6	4.0	4 AUG	6	4.0	1: 11	8: 3	24: 1	11: 2	11: 2	11: 2
26 JUL	3	4.0	11: 4			4 AUG	6	4.0	4 AUG	6	4.0	1: 6	6: 8	24: 1	11: 2	11: 2	11: 2
26 JUL	6	3.5	1: 9	2: 1	8: 11	5 AUG	3	2.0	5 AUG	3	4.5	1: 17	8: 18	11: 7	11: 7	11: 7	11: 7
26 JUL	3	4.0	1: 15	8: 7		5 AUG	3	4.5	5 AUG	3	5.0	1: 27	6: 19	7: 1	24: 1	24: 1	24: 1
26 JUL	6	3.5	1: 5	6: 4	11: 3	5 AUG	3	5.0	5 AUG	3	5.0	1: 27	6: 19	7: 1	11: 1	11: 1	11: 1
26 JUL	6	3.5	24: 4			5 AUG	3	3.5	5 AUG	3	3.5	6: 5	24: 19	24: 19	24: 19	24: 19	24: 19
27 JUL	6	6.0	1: 4	6: 13	11: 7	5 AUG	3	3.5	5 AUG	6	5.0	1: 10	8: 3	11: 1	17: 1	17: 1	17: 1
27 JUL	3	4.5	17: 1	23: 2	24: 7	5 AUG	6	5.0	5 AUG	6	5.0	1: 10	8: 3	11: 1	24: 1	24: 1	24: 1
27 JUL	3	4.5	24: 4	39: 1		6 AUG	6	3.5	6 AUG	6	3.5	1: 6	6: 7	11: 4	24: 5	24: 5	24: 5
27 JUL	3	2.0	1: 4	6: 3	11: 1	6 AUG	3	5.5	6 AUG	3	5.5	1: 6	6: 7	11: 4	24: 5	24: 5	24: 5
27 JUL	6	4.0	1: 4	8: 13	24: 1	6 AUG	3	4.0	6 AUG	3	4.0	1: 20	6: 17	24: 2	11: 4	11: 4	11: 4
27 JUL	3	7.0	1: 16	6: 6	24: 1	6 AUG	2	3.5	6 AUG	2	3.5	6: 2	6: 2	6: 2	39: 1	39: 1	39: 1
28 JUL	6	4.0	1: 2	11: 1	24: 3	6 AUG	3	6.0	6 AUG	3	6.0	1: 17	6: 4	24: 1	11: 4	11: 4	11: 4
28 JUL	3	4.5	39: 1			7 AUG	3	4.0	7 AUG	3	4.0	1: 3	3: 1	6: 12	11: 4	11: 4	11: 4
28 JUL	3	4.5	22: 1	24: 5		7 AUG	3	4.0	7 AUG	3	4.0	1: 2	6: 10	11: 1	11: 4	11: 4	11: 4
30 JUL	6	7.0	1: 19	8: 4		7 AUG	3	3.0	7 AUG	3	3.0	1: 2	6: 10	11: 1	36: 1	36: 1	36: 1
31 JUL	6	4.0	8: 11	11: 1	39: 1												

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —			
7 AUG	3	4.0	1: 14	7: 2	8: 21		16 AUG	3	2.0	3: 3	6: 7		
			24: 1				16 AUG	6	4.0	1: 5	8: 9	11: 2	
7 AUG	6	7.0	1: 10	11: 3	24: 1				39: 1				
7 AUG	6	3.5	1: 4	6: 6	24: 7		16 AUG	6	3.5	2: 3	6: 22	11: 6	
7 AUG	3	2.5	6: 2						39: 1				
8 AUG	6	4.0	1: 9	6: 5	11: 6		16 AUG	3	3.0	78: 5			
			39: 1				17 AUG	6	3.5	6: 18	11: 11	22: 1	
8 AUG	3	4.0	1: 12	8: 16			17 AUG	3	3.0	1: 4	6: 17	11: 1	
8 AUG	3	4.0	1: 6	3: 1	6: 18		17 AUG	3	4.5	1: 20	3: 1	8: 13	
			78: 1				17 AUG	3	5.0	1: 20	3: 2	6: 14	
9 AUG	3	4.0	1: 8	6: 24	11: 5				22: 1				
9 AUG	3	4.0	1: 18	8: 13	11: 1		18 AUG	3	4.5	1: 18	8: 14		
9 AUG	3	5.0	1: 12	3: 2	6: 5		18 AUG	3	4.0	1: 4	6: 28	11: 1	
			7: 1	11: 7	36: 1		18 AUG	6	2.5	2: 1	6: 12	11: 3	
9 AUG	6	4.5	1: 1	6: 9	11: 7		19 AUG	6	4.0	1: 1	8: 19	24: 1	
9 AUG	3	6.5	6: 2	11: 1					25: 1				
10 AUG	3	6.5	1: 2	6: 8	24: 2		19 AUG	6	1.5	6: 7	24: 4		
10 AUG	6	2.0	1: 3	6: 12			19 AUG	3	4.0	1: 10	6: 19	11: 1	
10 AUG	3	5.0	1: 14	6: 9	11: 9		19 AUG	3	4.5	1: 23	8: 12		
10 AUG	3	4.0	1: 26	7: 1	8: 15		19 AUG	3	5.5	1: 26	3: 2	6: 13	
			11: 4	24: 1					11: 2	22: 1			
11 AUG	3	3.0	1: 5	6: 16	11: 1		20 AUG	3	5.0	1: 19	3: 6	6: 10	
11 AUG	3	4.0	1: 28	8: 20	11: 2				11: 1	24: 2			
11 AUG	3	5.0	1: 17	6: 12	11: 12		20 AUG	3	7.0	8: 1	11: 1	24: 3	
			24: 1	36: 1			20 AUG	3	4.0	1: 4	6: 24	11: 2	
12 AUG	3	5.0	1: 12	3: 2	6: 8		20 AUG	3	4.5	1: 40	8: 21		
			11: 11	24: 1	36: 1		20 AUG	6	3.5	6: 19	22: 1	24: 1	
12 AUG	3	4.0	1: 8	6: 29	11: 3				39: 1				
12 AUG	3	4.5	1: 54	8: 18	11: 10		21 AUG	6	4.0	1: 5	8: 19		
12 AUG	6	4.0	1: 2	6: 3	23: 1		21 AUG	3	4.5	1: 24	2: 1	3: 2	
			24: 1	39: 1					8: 14				
13 AUG	3	6.5	6: 1	24: 3			21 AUG	3	5.0	1: 17	3: 6	6: 15	
13 AUG	3	3.0	1: 8	3: 1	6: 19				36: 3				
			7: 1				22 AUG	3	8.0	1: 20	2: 2	3: 10	
13 AUG	3	5.0	1: 8	3: 2	6: 8					6: 10	11: 2	24: 4	
			11: 2	24: 1	36: 1		22 AUG	3	4.5	1: 28	8: 7		
14 AUG	3	2.0	1: 4	3: 1	6: 20		22 AUG	3	4.0	1: 9	6: 16	11: 1	
			7: 4	11: 4			22 AUG	6	6.5	1: 1	6: 4	11: 17	
14 AUG	3	4.5	1: 28	3: 1	8: 40		22 AUG	6	4.0	1: 3	8: 11	24: 1	
14 AUG	3	4.0	1: 3	6: 31			23 AUG	6	4.0	6: 6	11: 9	26: 2	
14 AUG	3	6.5	6: 8	11: 1			23 AUG	3	4.5	1: 18	8: 10		
14 AUG	6	8.0	1: 2	8: 15	11: 1		23 AUG	3	4.0	1: 14	2: 1	3: 2	
			22: 1	23: 2	24: 3				6: 21	11: 2			
			25: 1				23 AUG	3	2.0	1: 3	3: 2	6: 5	
15 AUG	6	2.0	2: 1	6: 16	11: 9		24 AUG	3	4.0	1: 3	6: 14	11: 7	
15 AUG	3	4.5	1: 24	3: 3	8: 28		24 AUG	6	4.0	1: 2	6: 6	7: 1	
16 AUG	3	4.5	1: 31	3: 1	8: 11				11: 7	39: 1			

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —							
25 AUG	6	4.0	1:	9	7:	13	22:	1	4 SEP	3	4.0+	11:	2				
26 AUG	3	2.0	1:	1	6:	8	11:	2	5 SEP	3	4.0	1:	13				
26 AUG	3	4.5	1:	9	3:	4	8:	7			11:	3	24:	3			
27 AUG	3	4.5	1:	8	3:	3	23:	2	5 SEP	3	2.0	1:	10	6:	4		
27 AUG	3	2.0	1:	6	6:	10	11:	2	5 SEP	3	2.5	1:	7	3:	1		
27 AUG	3	5.0	1:	15	3:	4	6:	20	6 SEP	3	3.0	1:	6	6:	10		
27 AUG	6	3.5	1:	3	6:	11	11:	3	7 SEP	3	3.5	1:	2	6:	13		
			24:	7					7 SEP	3	4.0	1:	18	8:	4		
27 AUG	6	4.0	1:	7	7:	21	11:	2			24:	9					
28 AUG	6	3.5	6:	13	7:	2	11:	4	7 SEP	6	4.0	1:	2	8:	15		
28 AUG	6	4.0	1:	6	8:	18	25:	2			22:	1	39:	1			
28 AUG	3	5.0	1:	13	3:	1	6:	15	8 SEP	6	4.0	1:	1	6:	5		
			7:	1	11:	2	13:	4	8 SEP	3	4.0	1:	10	3:	3		
28 AUG	3	2.0	1:	5	6:	8	11:	2			11:	1	24:	10			
28 AUG	3	4.5	1:	6	8:	12	11:	3	8 SEP	3	2.0	1:	3	6:	12		
29 AUG	3	4.5	1:	2	8:	7	11:	2	9 SEP	3	4.0	1:	7	6:	14		
29 AUG	3	2.0	1:	4	6:	9			9 SEP	6	4.0	1:	1	6:	2		
29 AUG	6	2.5	1:	2	6:	9	11:	7	10 SEP	3	6.0	1:	5	11:	1		
30 AUG	6	3.5	1:	5	6:	8	11:	2	10 SEP	6	6.0	1:	2	7:	1		
			39:	1					10 SEP	6	7.5	1:	9	8:	28		
30 AUG	6	4.0	1:	1	8:	22	11:	2			22:	2					
30 AUG	3	0.5	1:	1	6:	2			10 SEP	3	4.0	1:	22	3:	1		
30 AUG	3	5.0	1:	10	3:	2	6:	21			8:	7	11:	3			
			7:	3	13:	2	22:	1	10 SEP	3	4.0	1:	8	6:	12		
31 AUG	3	2.0	1:	6	6:	10	11:	6	10 SEP	3	2.5	1:	6	6:	10		
1 SEP	3	5.0	1:	3	5:	1			10 SEP	3	7.0	1:	7	11:	2		
2 SEP	6	3.0	1:	6	6:	6	11:	4	11 SEP	3	7.0	1:	1	8:	1		
2 SEP	6	7.5	1:	3	8:	18	11:	5	11 SEP	3	5.0	1:	8	3:	2		
			23:	2	24:	3	39:	2			24:	16					
2 SEP	3	4.5	1:	2	3:	3	7:	2	11 SEP	3	5.0	1:	6	6:	7		
			8:	10	11:	3			11 SEP	3	4.5	1:	22	3:	6		
3 SEP	3	4.5	1:	4	3:	6	8:	5			8:	5	9:	2			
			11:	2					11 SEP	6	6.0	1:	2	8:	19		
3 SEP	3	4.0	1:	3	6:	12	11:	2			13:	1					
3 SEP	3	2.5	1:	3	6:	2	7:	2	11 SEP	3	2.0	1:	2	6:	2		
			11:	2					12 SEP	6	3.5	1:	4	6:	5		
3 SEP	6	4.0	1:	1	8:	16	11:	2	12 SEP	3	5.0	1:	6	3:	16		
			39:	1							11:	4	24:	2			
4 SEP	6	3.5	1:	4	6:	17	7:	1	13 SEP	3	5.0	1:	5	2:	1		
			11:	3	24:	2					6:	10	7:	2	11:	2	
4 SEP	6	7.0	1:	5	8:	17	11:	2			22:	1	24:	3			
			13:	1					13 SEP	3	2.0	1:	1	3:	1		
4 SEP	3	5.0	1:	4	24:	1	39:	1			11:	4					
4 SEP	3	5.0	1:	17	3:	3	6:	6	13 SEP	6	3.5	1:	9	6:	4		
			11:	5	13:	1					22:	1				11:	5
4 SEP	3	2.0	1:	6	6:	1			14 SEP	6	4.0	8:	24	11:	1		
4 SEP	3	4.0	1:	12	3:	2	8:	6	14 SEP	3	5.0	1:	8	3:	17		
											6:	11					

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			11:	1	36:	1	1:	12				1:	2	6:	2		
14 SEP	3	5.0+	11:	1	36:	1			6 OCT	6	2.0	1:	12	11:	1		
15 SEP	3	3.0	1:	2	3:	6	6:	4	6 OCT	3	6.0	24:	6				
			7:	3	11:	1	24:	3	6 OCT	3	3.0	13:	1	15:	3	62:	6
15 SEP	3	4.0	8:	2	21:	1	22:	1				76:	25	85:	2		
			24:	2	39:	1			7 OCT	6	1.0	1:	2	6:	2		
16 SEP	3	4.0	1:	21	3:	4	8:	5	7 OCT	3	3.0	22:	1				
16 SEP	6	3.5	1:	2	6:	3	7:	1	8 OCT	6	1.0	1:	2	11:	2		
			22:	1			8 OCT		3	3.0	1:	2	24:	1			
17 SEP	3	5.0	1:	3	6:	1	39:	1	8 OCT	6	4.0	1:	1	24:	2	39:	1
17 SEP	6	8.0	1:	3	8:	35	11:	5	8 OCT	3	3.0	1:	2	6:	3	11:	2
			22:	1	24:	2			9 OCT	3	5.0	1:	4	3:	1	6:	8
17 SEP	3	2.0	6:	4							11:	1	12:	1			
17 SEP	3	4.0	1:	12	3:	6	8:	7	9 OCT	6	7.5	1:	11	8:	1	11:	2
17 SEP	3	2.0	1:	2	3:	1	6:	6			22:	1					
			11:	3	12:	1			10 OCT	6	2.0	1:	1	11:	1		
18 SEP	3	4.0	1:	7	3:	6	6:	4	10 OCT	3	3.0	1:	2	6:	1		
			11:	1	24:	1			10 OCT	6	3.5	1:	5	6:	3	11:	6
18 SEP	3	4.0	1:	7	8:	15					23:	3					
18 SEP	3	2.0	6:	3	11:	1			10 OCT	3	2.0	1:	2	6:	3	12:	1
18 SEP	6	7.5	1:	3	8:	18	11:	2	11 OCT	3	7.0	1:	7	6:	2		
			24:	9			11 OCT		6	3.5	1:	3	6:	1	11:	2	
18 SEP	6	3.5	1:	5	6:	3	24:	3			23:	1	24:	5			
19 SEP	6	4.0	8:	11	11:	4	22:	1	12 OCT	6	1.5	1:	2	6:	2	11:	1
19 SEP	3	4.0	1:	13	3:	6	8:	8	13 OCT	3	6.0	1:	6	11:	1	24:	1
20 SEP	6	4.5	1:	3	6:	3	11:	5	13 OCT	6	1.0	1:	7	6:	5		
21 SEP	6	2.0	1:	2	11:	1			13 OCT	3	5.0	1:	5	3:	2	6:	4
22 SEP	6	1.5	1:	1	6:	1					11:	3	12:	4			
25 SEP	6	7.5	1:	4	8:	3	11:	5	13 OCT	3	4.5	1:	2	8:	6		
			26:	2			14 OCT		3	4.0	1:	3	3:	3	6:	8	
27 SEP	6	3.5	1:	27	6:	4	11:	1			12:	1					
28 SEP	6	4.0	1:	11	6:	1	11:	4	14 OCT	6	3.5	1:	5	6:	8	23:	5
29 SEP	3	3.0	6:	2	11:	1					24:	9					
29 SEP	3	3.0	1:	1	11:	1			15 OCT	6	3.5	1:	3	6:	2	22:	1
30 SEP	6	3.5	1:	6	3:	2	6:	1			23:	2	24:	3			
30 SEP	3	3.0	1:	3	6:	2			15 OCT	6	4.0	1:	3	24:	2		
30 SEP	6	3.0	1:	1	11:	1			15 OCT	3	3.0	1:	4	3:	3	6:	6
1 OCT	6	4.0	1:	2	8:	1	22:	1			11:	2	12:	3	23:	1	
1 OCT	3	3.0							16 OCT	6	4.0	1:	7	11:	1	22:	1
2 OCT	3	5.0	1:	2	3:	6	6:	10	16 OCT	6	3.5	1:	4	6:	1	24:	4
			12:	1			18 OCT		6	3.5	1:	1	24:	17			
2 OCT	6	8.0	1:	3	8:	4	11:	6	18 OCT	3	3.0	1:	3	11:	1		
			26:	11			20 OCT		3	2.0	6:	3					
3 OCT	6	2.5	1:	6	11:	1			20 OCT	3	3.0	1:	1	24:	1	39:	1
3 OCT	3	2.0	6:	4			20 OCT		3	3.0	6:	2	24:	3			
5 OCT	3	2.0	6:	2			21 OCT		3	5.0	1:	2	3:	1	24:	4	
5 OCT	6	1.5	1:	4	11:	1					36:	2					
5 OCT	6	3.5	24:	9			21 OCT		6	4.0	1:	1	8:	1	24:	3	

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			1:	3:	1:	11:	1:	24:				1:	3:	8:	1:	24:	1
21 OCT	3	5.0	1:	3	3:	1	11:	1	8 NOV	6	3.5+	72:	49				
			24:	5	36:	2			8 NOV	3	3.0	1:	3	8:	1	24:	2
21 OCT	3	2.0	1:	1	3:	1	8:	3	9 NOV	3	5.5	1:	15	6:	11	23:	1
			11:	1					10 NOV	3	3.0	1:	2	11:	1		
23 OCT	6	4.0	1:	2	6:	1	13:	3	10 NOV	6	4.0	1:	1	11:	4	22:	1
			24:	1					11 NOV	6	4.0	1:	2	11:	1	24:	9
24 OCT	6	3.5	1:	9					11 NOV	3	3.0	1:	13	6:	3	11:	2
25 OCT	2	3.5	1:	7	3:	69	7:	29	11 NOV	3	3.0	1:	4	7:	1		
26 OCT	6	3.5	1:	5	3:	9	7:	15	12 NOV	6	4.0	8:	1	11:	3	22:	1
			11:	4	23:	1	24:	2	12 NOV	6	3.5	1:	3	6:	2	11:	1
26 OCT	3	5.0	1:	4	3:	1	6:	6	12 NOV	2	2.0	1:	2				
			12:	3					13 NOV	3	4.0	1:	18	6:	3	23:	1
27 OCT	6	3.5	1:	4	6:	3	11:	1	13 NOV	3	4.0	1:	30	3:	1	8:	12
			23:	3	24:	6			14 NOV	3	4.0	1:	12	8:	10		
28 OCT	1	3.0	12:	3					14 NOV	6	5.0	1:	2	11:	3		
28 OCT	6	4.0	1:	11	6:	1			15 NOV	3	4.0	1:	37	3:	2	8:	8
29 OCT	3	3.0	1:	3	6:	1	11:	1	15 NOV	3	3.0	1:	2				
29 OCT	3	3.0	1:	6	6:	1			16 NOV	3	3.0	1:	2				
29 OCT	3	4.0	1:	4	3:	1	6:	4	16 NOV	6	2.5	6:	1	7:	1	11:	2
			12:	6							23:	1					
29 OCT	3	4.0	1:	26	3:	15	8:	7	17 NOV	6	2.5	6:	4	24:	1		
30 OCT	3	4.0	1:	20	3:	10	8:	6	17 NOV	3	3.0	1:	4	24:	1		
30 OCT	3	3.0	6:	2	22:	1	24:	1	17 NOV	3	3.0	1:	5	24:	1	36:	1
30 OCT	6	7.0	1:	3	11:	1	23:	1	18 NOV	3	5.0	1:	37	6:	5		
			24:	2					18 NOV	3	2.0	1:	10	8:	11		
31 OCT	6	3.5	1:	1	2:	2	6:	1	18 NOV	6	3.0	24:	3				
			11:	6					19 NOV	3	4.0	1:	26	8:	6		
1 NOV	6	2.0	1:	3	11:	2			19 NOV	3	5.5	1:	40	6:	6	13:	3
1 NOV	6	4.0	1:	5	13:	2			20 NOV	3	5.0	1:	37	6:	8	13:	1
4 NOV	6	4.0	1:	2	11:	2	22:	1	21 NOV	3	4.5	1:	47	6:	10	23:	1
5 NOV	3	3.0	1:	1	11:	1			21 NOV	6	2.0						
5 NOV	3	4.5	1:	45	3:	21	8:	15	22 NOV	6	2.5	6:	3	11:	1	74:	1
			23:	1	24:	1			22 NOV	3	2.5	1:	18	6:	4	13:	1
5 NOV	3	2.5	6:	7	11:	3			23 NOV	3	4.0	1:	27	6:	8	13:	2
6 NOV	3	5.5	1:	6	3:	2	6:	11	23 NOV	3	4.0	1:	32	8:	8	11:	1
6 NOV	3	4.0	1:	32	3:	11	8:	12			13:	1					
			13:	1					23 NOV	6	6.5	1:	1	6:	5	11:	2
6 NOV	6	6.0	1:	3	7:	9	24:	1			24:	2					
7 NOV	3	3.0	6:	2	24:	2			24 NOV	3	4.0	1:	28	8:	2		
7 NOV	6	6.0	1:	17	11:	3	72:	30	25 NOV	3	4.0	1:	26	8:	7	11:	1
7 NOV	3	4.0	1:	28	3:	6	8:	8	25 NOV	6	3.5	1:	5	6:	3	11:	1
			23:	1							24:	4					
7 NOV	3	3.0	6:	1					25 NOV	3	3.0	1:	4	8:	2		
7 NOV	3	5.5	1:	7	3:	6	6:	14	26 NOV	6	6.5	1:	3	6:	9	24:	7
8 NOV	3	3.0	1:	7	36:	1			26 NOV	3	4.0	1:	13	8:	5	11:	1
8 NOV	3	5.5	1:	11	6:	13			27 NOV	3	4.5	1:	45	3:	6	6:	4
8 NOV	6	3.5	1:	12	7:	3	22:	1			7:	1	13:	1			

APPENDIX TABLE 9 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				
27 NOV	6	4.0	1:	7	8:	2		27 DEC	6	4.0	1:	11	11:	5 22: 1
28 NOV	6	2.0	1:	2	6:	1		27 DEC	6	3.5	6:	2	11:	1 24: 1
30 NOV	6	6.0	1:	9	6:	3 11: 4					39:	2		
			24:	2				27 DEC	3	4.5	8:	10	13:	1
30 NOV	6	7.5	1:	15	8:	1 11: 3		28 DEC	3	2.5	8:	14	13:	1
			22:	1				28 DEC	6	6.0	1:	1	6:	1 24: 3
30 NOV	3	2.5	1:	17	5:	10		28 DEC	6	8.0	1:	1	11:	7
1 DEC	6	4.0	1:	9	8:	1 11: 1		29 DEC	6	4.0	1:	3	11:	14
1 DEC	6	3.0	1:	16	6:	2 11: 1		29 DEC	6	6.0	11:	5		
			24:	4				29 DEC	3	2.5	8:	20	13:	3
2 DEC	6	1.5	1:	2				30 DEC	6	8.0	11:	5	24:	3
4 DEC	6	5.5	1:	3	11:	1 22: 1		31 DEC	6	8.0	1:	4	11:	7
4 DEC	3	4.5	1:	24	8:	6 13: 1		31 DEC	6	3.5	1:	4	6:	1 11: 3
5 DEC	6	3.5	1:	17	11:	2					39:	1		
7 DEC	6	4.0	1:	9	13:	3 23: 2								
8 DEC	6	4.0	1:	2	13:	1 22: 1								
9 DEC	6	3.0	1:	3	13:	3								
9 DEC	6	3.5	1:	5	6:	1 24: 3								
10 DEC	6	3.5	1:	3	6:	1 11: 4								
			39:	2										
12 DEC	6	5.0	1:	13	11:	2								
13 DEC	6	3.5	6:	2	11:	5 24: 3								
14 DEC	6	3.5	1:	1	11:	3 22: 1								
			23:	1										
15 DEC	6	2.5	1:	2	6:	1 11: 2								
			23:	1										
16 DEC	6	3.0	1:	1	6:	4 24: 3								
16 DEC	6	5.0	1:	9	22:	1								
17 DEC	6	3.5	1:	6	6:	2 7: 3								
			79:	5										
18 DEC	6	7.0	1:	9	5:	1 7: 4								
			8:	1	22:	1 24: 2								
19 DEC	6	4.0	1:	6	24:	1								
19 DEC	6	3.5	6:	3	11:	5 19: 1								
20 DEC	6	3.5	1:	1	6:	1 11: 324								
			24:	4										
20 DEC	6	6.5	1:	11	24:	2								
21 DEC	6	7.0	1:	6	6:	3 11: 9								
			19:	1	22:	1 24: 6								
22 DEC	6	4.0	1:	3	8:	2 11: 3								
23 DEC	6	8.0	1:	7	13:	4 24: 9								
23 DEC	6	3.5	1:	3	11:	5 17: 2								
			24:	3										
24 DEC	6	6.0	1:	1	11:	7								
24 DEC	6	8.0	1:	3	13:	1 24: 32								
25 DEC	6	8.0	1:	5	11:	9 24: 2								
26 DEC	6	7.0	1:	9	11:	3								

APPENDIX TABLE 10. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM EAST FLORIDA

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —													
			4:	8:	15:	20:	20:				79:	4:	1.0:	79:	2:	13:	2:	14:	1:	29:	1:			
30 MAR	3	4.0	4:	8	15:	20	20:	4	26 APR	3	1.5	79:	4											
					36:	3			27 APR	3	1.0	79:	2											
31 MAR	2	4.0	15:	17	17:	4			28 APR	3	3.0	13:	2	14:	1	29:	1							
1 APR	3	2.0	15:	21	17:	2	62:	3				75:	1											
1 APR	3	1.5	79:	2					30 APR	3	2.0	14:	1	15:	40	20:	1							
3 APR	3	3.0	14:	1	15:	55	20:	1				62:	6	78:	1									
					36:	1	62:	5	1 MAY	3	1.0	1:	1	5:	4									
4 APR	3	3.0	14:	6	15:	45	20:	1	1 MAY	3	5.0	14:	5	15:	44	20:	1							
4 APR	3	2.0	14:	3	15:	18	36:	7				42:	2	62:	29	72:	8							
4 APR	3	3.5	15:	40	20:	1	36:	1				82:	3	85:	6									
					62:	12	76:	7	2 MAY	3	2.0	5:	13	14:	1									
5 APR	3	3.0	15:	48	20:	6	35:	1	3 MAY	3	2.0	5:	15											
5 APR	3	3.0	2:	1	15:	54	20:	2	6 MAY	3	1.0	13:	3	15:	2	17:	1							
					62:	28	76:	16				42:	1	78:	1									
5 APR	3	3.5	5:	10	15:	28	17:	2	6 MAY	3	2.5	2:	2	13:	5	17:	1							
					37:	1	45:	8				62:	3											
6 APR	3	1.0	14:	1	15:	17	20:	1	7 MAY	3	3.0	15:	35	21:	1	62:	19							
6 APR	3	2.5	15:	64	36:	4						76:	15	85:	3									
6 APR	1	1.0							7 MAY	3	2.0	1:	1	2:	1	5:	1							
7 APR	2	3.5	14:	5	18:	1	20:	7	8 MAY	3	1.0	2:	1	62:	2									
					24:	2			8 MAY	3	1.5	13:	4											
7 APR	3	3.0	13:	2	15:	3	75:	1	9 MAY	3	2.0	19:	4	76:	40									
					76:	9			9 MAY	3	2.0	13:	1	15:	9	17:	2							
7 APR	3	2.5	15:	32								42:	1											
7 APR	3	2.0	15:	7	62:	9			10 MAY	3	2.5	5:	2	13:	3	14:	1							
8 APR	3	4.5	15:	78	18:	1	19:	2				15:	1											
					20:	5	89:	1	13 MAY	3	2.5	5:	1	13:	1	15:	3							
8 APR	3	2.5	13:	3	17:	7			13 MAY	3	2.0	1:	1	14:	6	15:	20							
9 APR	3	2.5	2:	1	14:	1	15:	16				17:	2	20:	2	78:	1							
					76:	12			13 MAY	2	3.5	7:	6	14:	3	26:	105							
9 APR	3	4.0	1:	4	13:	1	14:	1	14 MAY	3	1.5	93:	1											
					15:	32	18:	1	14 MAY	3	2.5	13:	3	15:	6	20:	4							
9 APR	2	1.0	19:	2	60:	1			14 MAY	3	4.5	14:	4	15:	24	17:	2							
11 APR	2	3.5	1:	5	2:	1	13:	1				20:	6											
					20:	9			15 MAY	3	2.0	15:	35	17:	2	20:	3							
11 APR	3	2.0	13:	3	15:	10	20:	3				82:	1											
					50:	1	62:	4	22 MAY	3	1.0	2:	1	13:	1	17:	1							
12 APR	3	2.0	15:	26	16:	1	20:	1	22 MAY	3	2.0	15:	6	64:	1									
12 APR	3	0.5	14:	2	15:	6	62:	5	23 MAY	3	1.0	13:	1											
15 APR	2	1.0	14:	7					23 MAY	3	1.0	2:	1	13:	2	14:	3							
19 APR	3	1.0	79:	7								26:	1	62:	1									
20 APR	6	1.5	20:	19	79:	6			23 MAY	2	2.0	7:	5	26:	40									
20 APR	3	3.0	13:	1	15:	15	62:	6	24 MAY	3	0.5	70:	1											
20 APR	2	4.0	5:	15					24 MAY	3	1.0	13:	2	72:	2									
21 APR	2	4.0	3:	3	5:	5			25 MAY	3	1.0	15:	2	78:	2	85:	6							
22 APR	3	1.0	15:	25					26 MAY	3	1.5	13:	2											

APPENDIX TABLE 10 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			14:	1	15:	9	17:	3				20:	15	7:	1	13:	4
26 MAY	3	1.0	14:	1	15:	9	17:	3	24 JUN	2	2.0	20:	15	7:	1	13:	4
			82:	1					25 JUN	3	0.5	60:	1				
27 MAY	3	1.0	15:	5					25 JUN	3	2.5	13:	4				
28 MAY	3	1.0	14:	3	15:	37	17:	2	26 JUN	3	1.5	13:	5				
29 MAY	3	4.5	14:	2	15:	117	17:	2	26 JUN	3	2.5	7:	1	13:	4	15:	6
			20:	2	42:	1	48:	1				17:	4	20:	1	34:	1
29 MAY	3	1.0										42:	1				
1 JUN	3	1.5	13:	3	36:	1	72:	1	27 JUN	3	2.0	14:	1	15:	3	20:	1
1 JUN	3	1.0	15:	18	17:	1	20:	1				36:	1	62:	9		
1 JUN	3	1.5	79:	5	80:	3			27 JUN	3	2.0	13:	8				
2 JUN	3	0.5	79:	2	80:	5			29 JUN	3	2.5	2:	2	13:	6		
2 JUN	3	1.0	13:	4					30 JUN	3	2.5	15:	25				
3 JUN	3	2.5	13:	1	17:	12	20:	1	2 JUL	3	3.0	13:	3	15:	1	16:	8
3 JUN	3	2.5	15:	40					2 JUL	3	3.0	14:	1	15:	12	17:	10
4 JUN	3	2.0	14:	8	15:	1	36:	1				20:	1	48:	1		
			72:	14	78:	2			3 JUL	3	1.5	14:	1	15:	12	20:	3
5 JUN	3	1.5	14:	21	15:	9	20:	2				76:	16				
			36:	3	62:	2			4 JUL	3	3.0	15:	12	20:	2	30:	6
5 JUN	3	5.0	2:	1	13:	1	14:	12				36:	1	62:	4	72:	10
			15:	48					5 JUL	3	1.0	2:	1				
6 JUN	3	3.5	4:	1	13:	3	14:	6				3.0	13:	6			
			15:	15	17:	1	42:	2	5 JUL	3	2.5	15:	40	20:	2	42:	1
6 JUN	3	1.0	5:	3	62:	2						50:	4	62:	12	76:	25
7 JUN	3	4.0	2:	1	5:	1	13:	3				85:	7				
			62:	1					7 JUL	3	1.0	15:	6	62:	5		
9 JUN	3	2.5	11:	7					9 JUL	3	3.5	13:	6				
12 JUN	3	2.0	13:	8	36:	1			10 JUL	3	5.0	13:	10				
12 JUN	3	1.0	14:	3	15:	9	20:	3	10 JUL	2	0.5	14:	1				
14 JUN	3	1.0	13:	5					11 JUL	3	1.0	11:	1	13:	1	17:	1
14 JUN	3	4.5	13:	6					13 JUL	3	7.0	13:	6	16:	11	20:	1
15 JUN	3	1.0	13:	4	63:	1						41:	1	50:	1		
16 JUN	3	1.0	13:	1	62:	2			13 JUL	2	1.5	26:	13	99:	6		
16 JUN	3	4.0	13:	10					15 JUL	3	2.5	11:	2	62:	9		
17 JUN	2	2.5	2:	1	14:	1	20:	7	15 JUL	2	1.5	14:	1	19:	1	26:	10
18 JUN	3	1.0	15:	7	53:	1	62:	9	16 JUL	3	3.0	15:	30	20:	1	48:	1
			76:	15	78:	2						62:	15	76:	6		
19 JUN	3	1.0	13:	2	15:	12	18:	1	16 JUL	2	2.0	26:	6	82:	9	99:	4
			62:	5					17 JUL	3	1.0	6:	1	14:	1	15:	9
20 JUN	3	1.0	13:	6								20:	2	62:	3		
20 JUN	2	4.5	7:	9	11:	1	20:	35	18 JUL	3	2.0	1:	1	15:	30	20:	1
			26:	42								36:	1	62:	15		
21 JUN	3	4.0	13:	6					19 JUL	3	2.0	14:	1	15:	35	20:	2
22 JUN	3	3.0	13:	6	54:	2						36:	1	62:	2		
22 JUN	3	1.0	62:	1	76:	1			20 JUL	3	1.0	1:	2	15:	20		
23 JUN	3	1.0	36:	1	51:	1			21 JUL	3	1.0	7:	2	14:	1	62:	1
23 JUN	3	4.0	13:	8	14:	1	15:	5				76:	18				
			118:	2					22 JUL	3	1.0	14:	1	15:	20	20:	2

APPENDIX TABLE 10 (CONTINUED).

DATE	ZONE	HOURS FISHED						HOURS FISHED										
		— CATCH PER SPECIES —						— CATCH PER SPECIES —										
22 JUL	3	1.0+	36:	3	62:	1		7 SEP	3	2.5	14:	7	15:	8	20:	5		
22 JUL	3	4.0	13:	7							36:	1	70:	2				
26 JUL	3	3.0	13:	8				7 SEP	3	5.0	13:	2	14:	7	15:	20		
27 JUL	3	3.0	13:	6							18:	1	20:	3	62:	30		
27 JUL	3	4.0	1:	1	12:	1	14:	8	8 SEP	3	5.0	1:	6	11:	1	13:	1	
			15:	35	20:	7	36:	1			14:	3	15:	18	62:	14		
			48:	1	62:	10	72:	2	8 SEP	3	3.0	14:	10	15:	9	17:	3	
28 JUL	3	3.0	7:	1	20:	3	36:	1			20:	1	70:	1	72:	2		
			76:	12				9 SEP	3	2.0	14:	1	15:	6	17:	4		
31 JUL	3	6.0	13:	7							20:	3						
1 AUG	3	1.0	13:	3				9 SEP	3	4.0	11:	1	13:	2	15:	15		
1 AUG	2	2.0	7:	23	14:	3	26:	15			17:	2	18:	1	20:	7		
			50:	6	76:	9					62:	11						
2 AUG	3	1.0	14:	6	15:	2	17:	4	10 SEP	3	2.0	2:	1	14:	8	15:	7	
3 AUG	2	0.5	14:	5	26:	2	50:	3			20:	1	36:	1	70:	1		
6 AUG	3	1.0	36:	1				11 SEP	3	4.0	36:	2						
7 AUG	3	1.0	15:	40	20:	4	62:	10	15 SEP	3	2.0	15:	14	17:	1	20:	3	
			76:	15							36:	1	62:	7				
8 AUG	2	3.0	7:	25	14:	4	26:	19	16 SEP	3	5.0	14:	16	15:	40	17:	1	
9 AUG	2	3.0	7:	30	26:	2	76:	10			20:	7	24:	5	36:	2		
			99:	2							62:	21						
10 AUG	2	3.0	7:	38	26:	19	76:	18	17 SEP	3	6.0	14:	10	15:	24	20:	10	
			99:	1							36:	3	62:	13				
13 AUG	3	4.0	4:	21	15:	42		17 SEP	3	2.0	1:	1	7:	1	14:	11		
14 AUG	3	1.0	14:	1	15:	14	36:	3			15:	8	17:	1	20:	3		
			72:	1							36:	2	62:	4	72:	1		
14 AUG	3	3.0	15:	6	36:	2	91:	1	18 SEP	3	2.0	7:	1	14:	1	15:	38	
15 AUG	3	5.0	12:	1	13:	7	15:	15		1 OCT	3	4.0	13:	1	14:	15	15:	10
			20:	3	36:	4					20:	5	51:	1	62:	7		
17 AUG	3	1.0	36:	1							20:	1	36:	7	50:	2		
18 AUG	3	1.0	79:	11	80:	2					62:	6	76:	20				
19 AUG	3	2.5	79:	9	80:	7		2 OCT	6	0.5								
20 AUG	3	1.0	79:	6	80:	4		3 OCT	3	3.0	14:	1	15:	6	76:	10		
20 AUG	3	1.0	24:	2	36:	2					85:	6						
25 AUG	3	5.0	1:	1				5 OCT	3	3.5	14:	6	15:	55	20:	6		
27 AUG	3	2.0	14:	1	15:	30	17:	1			36:	1	62:	10	76:	26		
			20:	8	36:	1	62:	3			85:	3						
28 AUG	3	2.0	15:	20	17:	1		6 OCT	3	2.5	1:	3	6:	1	11:	2		
30 AUG	3	2.0	14:	9	15:	5	17:	2			12:	1	20:	8				
			20:	1	76:	7		8 OCT	3	2.0	15:	10	20:	6	62:	20		
31 AUG	3	4.0	2:	1	13:	6	14:	5			76:	70	85:	6				
			15:	18	20:	5		10 OCT	3	3.5	14:	5	15:	17	20:	6		
6 SEP	3	8.0	1:	10	2:	2	13:	2			36:	1	62:	13	76:	18		
			14:	4	15:	25	17:	17			85:	5						
			62:	15				10 OCT	6	1.5	26:	13						
6 SEP	3	3.0	14:	14	15:	6	37:	2	11 OCT	3	3.0	14:	6	20:	4	62:	18	
			72:	2							76:	23	85:	6				

APPENDIX TABLE 10 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES ---				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES ---			
			14:	15:	16:	17:							
29 OCT	3	3.0	3	10	20	25							
			36	3									
29 OCT	3	1.0	9	48	2								
5 NOV	3	3.0	7	15	4								
14 NOV	3	2.0	79	1									
16 NOV	3	1.0	13	2	29	1	79	4					
17 NOV	3	1.0	13	6	29	1	79	3					
18 NOV	3	0.5	13	9	29	3	79	6					
21 NOV	3	1.0											
22 NOV	3	1.0	13	7	79	2							
23 NOV	3	1.0	13	2	14	3							
26 NOV	3	1.0	13	3	62	15	79	1					
28 NOV	3	1.5	79	3	80	5							
30 NOV	3	1.5	79	2	80	9							
15 DEC	3	1.0	79	3									
16 DEC	3	0.5	79	1									
24 DEC	2	1.0	14	2	17	3	18	1					
29 DEC	3	0.5	80	1									

APPENDIX TABLE 11. LOGGED 1983 TROLLING CATCH AND EFFORT FROM SOUTHEAST FLORIDA

DATE	ZONE	FISHED	HOURS				DATE	ZONE	FISHED	HOURS					
			— CATCH PER SPECIES —							— CATCH PER SPECIES —					
29 MAR	2	3.0	3:	5			9 APR	6	8.0+	13:	2				
30 MAR	3	6.0	13:	3	23:	2	9 APR	3	3.5	33:	1				
31 MAR	6	7.0	3:	22	24:	2	35:	1	9 APR	3	2.0	35:	3		
1 APR	3	6.0	13:	2	35:	1	9 APR	3	6.0	24:	1	35:	1		
2 APR	3	4.0	13:	2	39:	1	9 APR	3	3.0	35:	5				
3 APR	3	6.5	1:	3	24:	2	35:	1	9 APR	6	3.0	3:	1		
3 APR	3	3.0	6:	4	11:	2		10 APR	2	3.0	3:	8	11:	1	
3 APR	3	12.0	35:	3	75:	1		10 APR	3	3.5	35:	3			
4 APR	2	1.0	3:	30				10 APR	2	3.0	3:	2	6:	1	
4 APR	3	7.0	1:	1	24:	1	35:	4	10 APR	3	4.0	2:	1	13:	2
4 APR	3	3.0						10 APR	2	4.0	3:	16	8:	3	
4 APR	3	3.0	6:	1	39:	1		10 APR	3	4.0	1:	3	6:	6	
4 APR	6	4.0	3:	5	6:	2	8:	1	11 APR	6	4.0	24:	2	39:	1
			35:	1				11 APR	6	6.0	3:	4	6:	1	
4 APR	6	3.0	3:	6	39:	1		11 APR	3	7.0	35:	3			
4 APR	3	4.0	24:	2				11 APR	2	3.0	6:	1	36:	4	
4 APR	3	4.0	8:	2	23:	1	24:	6	11 APR	3	3.0	11:	1	35:	1
5 APR	3	4.0	35:	1				12 APR	6	3.0	3:	2	35:	1	
5 APR	6	8.0	3:	14	5:	10		12 APR	3	3.0	24:	2	39:	1	
5 APR	2	2.0	3:	24				12 APR	3	3.5	1:	5			
5 APR	3	3.0	24:	1	35:	1		12 APR	3	6.0	24:	8	35:	1	
5 APR	6	3.0	3:	11	29:	1		12 APR	3	4.0	39:	2			
5 APR	3	6.5	1:	3	3:	20	35:	4	13 APR	2	3.0				
5 APR	3	3.0	35:	2				13 APR	6	3.0	3:	1	35:	1	
6 APR	3	7.0	1:	4	35:	2		13 APR	3	8.0					
6 APR	3	3.0	35:	2				14 APR	3	8.0	11:	1			
6 APR	2	3.0	3:	27	11:	1		14 APR	3	3.0	35:	1	39:	1	
6 APR	3	6.0	35:	2				14 APR	3	3.5	1:	3			
6 APR	3	4.0	1:	2	3:	4	8:	1	14 APR	3	6.0	1:	1	13:	2
6 APR	3	4.0	1:	2	6:	4	11:	1	14 APR	2	4.0	3:	30		
			24:	1				15 APR	3	4.0	1:	2	24:	4	
6 APR	3	4.0	1:	2	3:	8	8:	2	15 APR	3	4.0				
6 APR	2	4.0	22:	1	24:	6		16 APR	3	7.0					
7 APR	3	4.0	5:	8				16 APR	2	2.0	1:	3	3:	10	
7 APR	6	1.0	3:	45				16 APR	2	3.0	3:	5			
7 APR	3	2.0	3:	1	13:	1		16 APR	6	7.0	3:	1	8:	1	
7 APR	3	7.0	1:	4	3:	3	5:	5			35:	2	75:	1	
8 APR	2	1.0	3:	3							6:	5	11:	1	
8 APR	3	6.0	3:	5	35:	1		16 APR	3	4.5	1:	3	24:	10	
8 APR	3	3.0	5:	1	35:	1	39:	1	16 APR	6	4.0	6:	4	11:	2
8 APR	2	1.0	3:	20				17 APR	3	6.0	6:	8	24:	2	
8 APR	3	4.0						17 APR	3	3.5	35:	1	39:	1	
8 APR	3	3.5	5:	12	35:	1		17 APR	3	2.0	1:	1	6:	1	
8 APR	2	4.0	1:	3	2:	2	35:	2			39:	1			
9 APR	3	4.5	6:	4	24:	7	29:	1	17 APR	3	3.0	35:	2		
9 APR	3	4.0	35:	2				18 APR	3	3.0	24:	2	35:	2	
9 APR	6	8.0	2:	26	5:	5	11:	1	18 APR	3	3.0				

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED										HOURS FISHED																	
		-- CATCH PER SPECIES --										-- CATCH PER SPECIES --																	
18 APR	3	3.5	6:	2	22:	1	24:	1	26 APR	2	3.0	7:	3																
18 APR	6	3.0	5:	1	13:	1	24:	1	27 APR	3	7.0	1:	2	6:	2														
			35:	1					27 APR	3	4.0	11:	1																
18 APR	3	8.0	24:	3	35:	1	68:	3	28 APR	3	3.0	35:	3																
18 APR	3	8.0	1:	1	6:	4	11:	1	28 APR	3	3.5	1:	2																
			24:	1	29:	1			28 APR	6	7.0	1:	6	3:	1	6:	2												
18 APR	3	4.0	1:	2	8:	1	23:	3				35:	1																
18 APR	3	8.0	6:	2	7:	8	11:	2	28 APR	3	2.0																		
			80:	2					28 APR	3	4.0	22:	1	24:	16														
19 APR	3	4.0	35:	1	80:	1			28 APR	2	3.0	1:	1	12:	3	23:	1												
19 APR	6	3.0	3:	2	35:	1			28 APR	3	3.0	1:	1	24:	1	39:	1												
20 APR	3	3.0	35:	2					29 APR	3	3.0	1:	1	24:	12	39:	1												
20 APR	3	3.0	6:	1					29 APR	3	3.5	1:	3	23:	1	35:	1												
20 APR	3	8.0	24:	15					29 APR	3	3.0	35:	1																
20 APR	3	4.0	35:	2					30 APR	3	7.0	35:	2	39:	1														
20 APR	6	4.0	8:	3	11:	1	39:	1	30 APR	3	3.0	1:	2	6:	2														
20 APR	6	3.5	3:	2	35:	1			30 APR	3	3.0	13:	1	35:	1														
21 APR	3	1.5	35:	2					30 APR	3	2.0	23:	1	39:	5														
21 APR	3	7.5	6:	1	22:	1	24:	2	1 MAY	3	5.0	1:	2	39:	1														
22 APR	3	7.0	35:	1					1 MAY	3	2.0	39:	2																
22 APR	3	3.5	24:	1	35:	1			1 MAY	2	8.0	7:	6	11:	2	22:	1												
22 APR	3	8.0	24:	1	39:	2						23:	2	24:	5	39:	1												
22 APR	3	6.5	22:	2	24:	232	29:	1	1 MAY	6	8.0	1:	4	8:	2	24:	6												
			67:	5					1 MAY	3	3.0	13:	2	35:	2														
22 APR	3	4.0	24:	79					1 MAY	3	3.5	1:	2	35:	1														
22 APR	2	4.0	5:	15					1 MAY	3	2.0	39:	1																
22 APR	6	4.0	7:	5	11:	2	24:	3	2 MAY	3	4.5	1:	2	11:	1	13:	1												
23 APR	6	8.0	22:	1	24:	14						23:	2	39:	1														
23 APR	3	1.0	24:	11					3 MAY	3	6.0	24:	10	35:	2														
23 APR	3	4.0	1:	2	7:	1	24:	3	3 MAY	3	2.5	35:	2																
23 APR	3	6.5	35:	1					4 MAY	3	5.0	5:	5	11:	1	24:	1												
23 APR	3	7.0	35:	1					4 MAY	6	4.0	13:	2	24:	1														
23 APR	3	3.0	35:	1					5 MAY	3	2.5	11:	1	35:	1	39:	1												
24 APR	3	3.0	35:	2					5 MAY	3	3.0	35:	1																
24 APR	3	3.5							5 MAY	3	7.0	24:	1	38:	1														
24 APR	6	7.0	1:	2	3:	1	35:	1	6 MAY	3	7.0	11:	2																
24 APR	3	8.0	35:	2					6 MAY	3	3.5	1:	1	24:	5														
24 APR	2	4.0	1:	1	24:	3			6 MAY	3	3.0	22:	1																
24 APR	2	4.0	11:	1	35:	2			6 MAY	3	5.5	23:	4	24:	3	39:	1												
25 APR	2	4.0	1:	2	2:	1	24:	5	6 MAY	2	4.0	23:	1																
25 APR	3	8.0	13:	1	35:	2	39:	1	6 MAY	3	5.0	24:	6																
25 APR	3	3.0	35:	1					7 MAY	3	5.0	24:	14	39:	1														
25 APR	3	3.0	39:	1					7 MAY	2	4.0	24:	2																
26 APR	3	1.0							7 MAY	3	4.0	24:	10																
26 APR	3	3.0							7 MAY	6	5.0	22:	1	24:	12	39:	1												
26 APR	3	1.0	39:	1					7 MAY	3	5.5	1:	1	13:	3	39:	1												
26 APR	3	3.0	13:	2					7 MAY	3	3.0	13:	1	24:	2														

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				
7 MAY	3	3.0	35:	1			17 MAY	5	5.5	1:	3	7:	10	
7 MAY	3	3.5	1:	3	22:	2	24:	2		87:	2	126:	4	
7 MAY	3	4.0	39:	1			17 MAY	3	4.0	6:	1	23:	1	
7 MAY	3	5.0	11:	1	22:	1		17 MAY	3	3.5	1:	3		
8 MAY	3	3.5	1:	3	6:	1	11:	1	17 MAY	3	7.0	13:	6	
			39:	1				17 MAY	3	4.5	1:	3	11:	
8 MAY	3	3.0	1:	2				17 MAY	6	4.0	1:	4	24:	
8 MAY	3	5.5	1:	1	35:	1	39:	1	18 MAY	3	2.0	24:	1	
8 MAY	6	8.0	1:	2	24:	10	35:	1	18 MAY	3	5.0	75:	1	
8 MAY	2	3.0	6:	2	23:	1	24:	9	19 MAY	3	3.0	22:	1	
8 MAY	3	3.0	24:	4				19 MAY	3	3.0	35:	1		
8 MAY	3	4.0	1:	1	8:	1		19 MAY	3	3.5	1:	2	24:	
9 MAY	3	7.5	1:	3	22:	1	24:	4	19 MAY	3	1.0	24:	11	
			38:	1				19 MAY	3	7.0	8:	16	24:	
9 MAY	3	3.0	13:	1	35:	1					68:	4		
9 MAY	3	3.0	1:	1	8:	2		19 MAY	3	4.5	6:	1	11:	
10 MAY	3	7.0	1:	2	11:	2	35:	1	20 MAY	3	3.0	35:	2	
10 MAY	3	6.0	1:	1	24:	14	35:	1	21 MAY	3	3.5	1:	4	
			39:	3				21 MAY	3	3.0	11:	1	24:	
10 MAY	3	4.0	22:	1	24:	3		21 MAY	6	6.0	6:	1	13:	
11 MAY	3	5.0	23:	1	24:	15	35:	1	21 MAY	3	7.0	24:	25	
11 MAY	3	3.0	6:	1	24:	2		21 MAY	3	4.5	1:	2	22:	
11 MAY	3	3.0	1:	1				22 MAY	3	3.0	11:	1	23:	
11 MAY	3	1.0						22 MAY	6	4.0	1:	2	23:	
12 MAY	3	2.5						22 MAY	3	4.0	8:	1	11:	
13 MAY	3	3.0	24:	3							24:	2		
13 MAY	3	4.0	8:	1	24:	4		22 MAY	3	3.0	8:	1	23:	
13 MAY	3	3.0	24:	2				22 MAY	3	5.5	13:	4	35:	
13 MAY	3	8.5	13:	1				23 MAY	3	2.5	23:	1		
14 MAY	3	8.5	24:	1				23 MAY	3	3.0	11:	1		
14 MAY	3	3.0	8:	1	35:	2		23 MAY	3	3.0	1:	2	13:	
14 MAY	2	3.0						24 MAY	3	3.0	13:	2	24:	
14 MAY	3	4.0	24:	3				24 MAY	3	5.5	23:	1	35:	
14 MAY	3	4.0	11:	1				24 MAY	3	5.0				
14 MAY	3	3.0	39:	1				24 MAY	3	3.5	1:	3	11:	
14 MAY	3	5.0	1:	1	11:	1	24:	1	25 MAY	3	2.5	13:	6	
15 MAY	3	3.0	13:	3	24:	1		25 MAY	3	4.0	8:	1		
15 MAY	3	3.5	1:	2				25 MAY	3	5.0	22:	1	24:	
15 MAY	5	5.5	7:	15	24:	1	39:	1	25 MAY	3	6.0	23:	4	
			87:	2				26 MAY	3	7.0	24:	71	68:	
15 MAY	3	4.0	23:	2	24:	35			26 MAY	3	5.5	1:	1	11:
15 MAY	3	3.0	8:	1	23:	1	24:	2	26 MAY	3	3.0	6:	1	24:
15 MAY	3	4.5	1:	5	8:	2	11:	1	27 MAY	3	4.0	24:	2	
16 MAY	3	3.0	35:	1				27 MAY	3	3.0	1:	3	24:	
16 MAY	3	5.5	24:	8				27 MAY	6	6.0	1:	2	6:	
16 MAY	5	5.5	7:	25	39:	1	87:	3			24:	2	8:	
			91:	1				28 MAY	3	8.0	23:	4	24:	
											31			

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				
			1:	5	8:	13	11:				22:	1	23:	1	
28 MAY	3	3.0						11 JUN	3	3.0					
28 MAY	3	7.0	1:	5	24:	1		11 JUN	3	4.0	35:	3	39:	1	
28 MAY	3	3.0	1:	5	8:	2	11:	2	11 JUN	3	3.0	23:	2		
					23:	1			11 JUN	3	7.0	8:	1	24:	40
28 MAY	3	3.5	1:	1	35:	1		12 JUN	3	6.0	24:	37			
28 MAY	3	2.5	6:	1	7:	3	24:	2	12 JUN	1	4.0	8:	6		
29 MAY	3	1.5	11:	1				12 JUN	3	2.0	1:	4	23:	1	
29 MAY	3	5.0	24:	24				12 JUN	3	2.5					
29 MAY	3	3.5	35:	1				12 JUN	3	2.5	35:	1			
29 MAY	3	3.0	24:	2				12 JUN	3	3.5	1:	1	11:	1	
29 MAY	3	3.0	24:	3				12 JUN	3	6.0	24:	3			
29 MAY	3	5.0	1:	1	24:	1		12 JUN	1	3.0	1:	1	11:	1	
29 MAY	1	4.0	1:	1	3:	1	8:	3	13 JUN	3	3.0	6:	1	11:	1
29 MAY	3	4.0	24:	9	39:	1		13 JUN	3	3.0	24:	37	68:	1	
30 MAY	3	4.0	22:	1	23:	1	24:	8	13 JUN	1	4.0	11:	1	24:	8
30 MAY	3	3.0	11:	1	13:	4		14 JUN	3	6.0	22:	1	24:	56	
30 MAY	3	3.0	24:	4				14 JUN	3	3.5	1:	1	11:	1	
1 JUN	1	4.0	22:	2							23:	1	24:	1	
1 JUN	3	1.0						15 JUN	3	5.5	1:	1	26:	35	
2 JUN	3	4.5						15 JUN	3	6.0	11:	8			
2 JUN	3	6.5	8:	2	24:	44		15 JUN	3	6.5	24:	98			
2 JUN	3	6.0	6:	1	24:	32		15 JUN	3	3.5	13:	3			
3 JUN	3	6.0	24:	17				16 JUN	3	6.0	24:	70	68:	2	
3 JUN	3	3.0						16 JUN	3	2.5	39:	1			
3 JUN	3	4.0	24:	21				16 JUN	3	10.0	11:	11			
4 JUN	3	8.0	8:	2	22:	1	24:	84	16 JUN	3	3.0	1:	1	11:	3
4 JUN	3	5.0	24:	3				17 JUN	3	6.5	1:	2	24:	3	
4 JUN	3	7.0	8:	1	38:	1		17 JUN	3	8.0	11:	8	38:	1	
4 JUN	3	3.5	24:	3				17 JUN	3	6.5	35:	1			
5 JUN	3	7.0	23:	1				17 JUN	3	6.0	24:	2			
5 JUN	3	3.0	38:	1				17 JUN	3	4.0	8:	1	11:	1	
5 JUN	3	2.5	24:	18				18 JUN	3	3.0	23:	1	24:	10	
5 JUN	3	3.0	24:	35				18 JUN	1	6.0	24:	7	35:	2	
5 JUN	3	4.0	1:	1	11:	1		18 JUN	3	7.0	24:	24			
5 JUN	3	8.0	24:	53				18 JUN	3	6.5	24:	28			
5 JUN	1	6.0	24:	2				18 JUN	3	7.0	1:	2	11:	3	
7 JUN	3	3.5	1:	1	23:	1	24:	1	19 JUN	3	7.0	1:	1	8:	2
					39:	2					22:	1			
8 JUN	3	3.0	24:	3				19 JUN	3	1.0	82:	5			
8 JUN	3	3.5						19 JUN	3	7.0	6:	4	22:	1	
8 JUN	3	3.0	1:	1	11:	1		19 JUN	1	4.0	23:	1	24:	1	
8 JUN	3	3.0	24:	26				19 JUN	3	4.0	1:	1	8:	2	
9 JUN	3	6.0	24:	34				21 JUN	1	8.0	24:	2	38:	1	
10 JUN	3	3.5	1:	2	24:	2		21 JUN	3	4.0	55:	1			
10 JUN	3	3.0	35:	2				22 JUN	3	8.0					
10 JUN	3	3.5	1:	9				22 JUN	3	3.0	22:	1			
11 JUN	3	3.5	1:	1	11:	2	22:	1	22 JUN	1	3.0	1:	2	3:	6
											11:	1			

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			1:	6:	11:	24:	1:				1:	6:	11:	24:			
22 JUN	1	3.0+	24:	20				12 JUL	3	3.0	1:	1	6:	4	11:	3	
23 JUN	3	3.0	11:	1	24:	73		12 JUL	3	3.5							
23 JUN	3	8.0	24:	2				12 JUL	3	2.0	6:	1	7:	12	11:	3	
24 JUN	3	8.0	24:	2				13 JUL	3	6.0	24:	2					
24 JUN	3	3.0	24:	4				13 JUL	3	3.0	22:	1					
24 JUN	3	4.0	1:	1	11:	1	24:	15	14 JUL	3	7.0	8:	1	24:	1	39:	1
25 JUN	1	4.0	3:	3				14 JUL	3	3.0	24:	2					
25 JUN	6	3.0	1:	1	8:	1	11:	3	14 JUL	6	5.0	11:	7	23:	1		
25 JUN	3	7.0	11:	2	24:	4	39:	1	14 JUL	3	6.0	22:	2				
25 JUN	3	6.5						15 JUL	3	3.0	1:	1	6:	4	11:	6	
26 JUN	3	7.0	11:	2	39:	1		15 JUL	3	3.0	8:	2					
26 JUN	6	3.0	8:	7				16 JUL	6	3.0	8:	5	11:	6	22:	1	
26 JUN	3	6.0	6:	7	23:	1	24:	18	16 JUL	3	7.5	1:	2	7:	1	12:	1
26 JUN	3	6.0	6:	4	8:	2	11:	1	16 JUL	3	3.0	1:	2	8:	8		
			22:	1	24:	4		16 JUL	3	7.5	6:	6	24:	21	39:	1	
27 JUN	3	3.0	1:	1	11:	3		17 JUL	3	7.0	1:	2	6:	4	24:	9	
28 JUN	3	3.0	8:	1	22:	1		17 JUL	3	3.0							
29 JUN	3	3.0	1:	2	6:	1	11:	4	17 JUL	3	3.5	1:	1	11:	3		
			23:	1				17 JUL	3	3.0	6:	3	11:	3			
29 JUN	3	2.0	24:	6				18 JUL	3	6.5	1:	1	11:	4	24:	5	
30 JUN	3	6.0	22:	1	24:	8	39:	1	21 JUL	3	1.5	1:	1	6:	2	11:	3
30 JUN	3	3.5	1:	1	24:	4		22 JUL	3	3.5	1:	2	7:	2	10:	1	
1 JUL	3	2.0	24:	24				22 JUL	3	6.0	8:	31	22:	1	24:	4	
2 JUL	3	6.0	11:	2	22:	1	24:	50	22 JUL	3	3.0	6:	1	8:	7	23:	1
2 JUL	3	3.0	22:	1	23:	1		23 JUL	3	3.0	1:	2	8:	1			
2 JUL	3	1.0	6:	1				23 JUL	3	3.0	7:	1	8:	7			
2 JUL	3	3.0	11:	4	29:	1		23 JUL	3	7.0	6:	4	22:	1	24:	12	
2 JUL	3	5.0						23 JUL	3	3.5	7:	12	10:	3			
2 JUL	3	7.5	1:	2	11:	1	24:	1	23 JUL	3	7.0						
3 JUL	3	3.5	1:	4	11:	4	23:	1	23 JUL	3	2.5	6:	3	11:	3	39:	1
3 JUL	3	7.0	6:	2	24:	12		24 JUL	3	6.5	6:	1	11:	2			
4 JUL	3	7.0	1:	6	11:	3	24:	1	24 JUL	3	3.5	8:	12	11:	3		
6 JUL	3	8.0	12:	4				24 JUL	3	7.5	1:	1	6:	12	22:	1	
6 JUL	3	1.0	11:	2							24:	6					
7 JUL	3	8.0	12:	2				24 JUL	3	3.0	8:	3	11:	1			
8 JUL	3	8.0	12:	3				24 JUL	3	7.0	1:	3	8:	4	11:	3	
8 JUL	6	3.0	8:	1	11:	3		25 JUL	3	6.5	1:	6	6:	4	11:	6	
9 JUL	6	3.0	11:	2							25:	2					
9 JUL	3	7.5	11:	2	23:	3	68:	2	26 JUL	6	3.0	8:	4	10:	3		
9 JUL	3	8.0	12:	3				26 JUL	3	7.0	8:	8	11:	1			
9 JUL	3	7.0	1:	1	8:	1	11:	1	26 JUL	3	1.0						
			24:	4				27 JUL	3	2.0	1:	3	8:	1			
9 JUL	1	4.0	8:	2	24:	3		27 JUL	6	3.0	1:	1	8:	5	11:	2	
10 JUL	3	6.0	8:	2	22:	1	24:	27	27 JUL	3	8.0						
10 JUL	3	3.5	1:	1	6:	1	11:	2	28 JUL	3	8.0	24:	2				
			39:	1				28 JUL	3	4.0	1:	2	8:	2	11:	4	
11 JUL	3	4.0	1:	3	11:	2					13:	1					

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —									
			8:	1	11:	2	8:				1:	3	6:	12	1:	1	6:	6	11:	3
29 JUL	3	3.0	8:	1	11:	2		10 AUG	3	2.5	1:	3	6:	12						
29 JUL	3	5.5	24:	3				11 AUG	3	5.5	1:	1	6:	6	11:	3				
30 JUL	3	6.5						11 AUG	2	3.0	8:	12	11:	5						
30 JUL	6	3.0	8:	9	11:	2		11 AUG	3	2.0	7:	1	8:	1						
30 JUL	3	6.0	8:	5	11:	2		11 AUG	3	3.0	1:	2	8:	5						
30 JUL	3	7.0	6:	16	24:	2		12 AUG	6	7.0	11:	3	24:	4	29:	1				
31 JUL	3	1.5	11:	6	24:	3	25:	1	12 AUG	3	7.0	1:	2	6:	22	11:	3			
1 AUG	3	3.0	8:	10	11:	1	24:	2							24:	1				
2 AUG	3	3.0	1:	4	8:	2	24:	4	12 AUG	3	5.5	1:	2	6:	12	11:	3			
2 AUG	3	2.0	1:	3	8:	5		13 AUG	3	0.5	6:	2								
2 AUG	3	3.0	11:	2	23:	1	24:	26	13 AUG	6	7.0	6:	1	8:	4	11:	2			
2 AUG	3	3.0	1:	2	6:	9	11:	4							24:	3				
			24:	3				13 AUG	3	3.0	1:	1	7:	2	8:	4				
3 AUG	3	3.0	1:	3	8:	6	11:	1	13 AUG	1	8.0	1:	1	6:	5	11:	2			
			24:	27				14 AUG	1	4.0	1:	1	8:	12						
3 AUG	3	3.0	8:	3	11:	3		14 AUG	3	4.0	7:	3	8:	5	11:	1				
4 AUG	3	3.0	11:	1	67:	1	68:	1	14 AUG	3	7.5	1:	3	8:	15	35:	1			
4 AUG	3	1.0	11:	1				15 AUG	2	3.0	1:	1	8:	9	11:	3				
4 AUG	6	3.5	1:	2	6:	12	39:	1							22:	1				
5 AUG	6	3.0	7:	1	8:	9	11:	3	15 AUG	3	4.0	1:	1	8:	21	11:	1			
			22:	2	23:	1		16 AUG	3	3.0	8:	13	24:	2	39:	1				
5 AUG	3	3.0	1:	6	6:	11	11:	6	16 AUG	3	2.5	1:	2	6:	9	11:	3			
5 AUG	3	3.0	7:	1	8:	2	11:	2	17 AUG	3	2.5	1:	4	6:	11	11:	4			
			24:	4											24:	1				
5 AUG	3	3.0	8:	1	11:	2		17 AUG	3	3.5	1:	4	8:	5	24:	2				
6 AUG	3	5.0	1:	4	3:	1	11:	3	17 AUG	3	3.0	1:	1	8:	26	24:	1			
			22:	1	24:	2		17 AUG	3	3.0	1:	2	8:	8	11:	5				
6 AUG	3	6.0	1:	3	8:	14	11:	1							22:	2				
			35:	1				18 AUG	3	3.0	1:	1	8:	7	11:	3				
6 AUG	3	5.5	1:	10	6:	10	11:	5	18 AUG	6	4.0	8:	16	39:	1					
6 AUG	6	3.5	1:	5	6:	5	11:	2	18 AUG	6	3.0	8:	3	11:	6	23:	1			
7 AUG	3	3.5	1:	4	6:	6	22:	1							24:	4				
7 AUG	3	1.0	1:	1	11:	1		18 AUG	3	2.5	1:	1	6:	6	7:	2				
7 AUG	3	6.0	1:	2	8:	11	35:	1							11:	2				
			57:	1				19 AUG	3	2.0	6:	14	11:	3						
7 AUG	3	3.0	1:	2	8:	3	11:	2	19 AUG	6	3.0	1:	4	3:	1	6:	1			
7 AUG	1	4.0	1:	2	8:	8									8:	2	11:	1	24:	2
8 AUG	3	3.0	1:	5	8:	4		19 AUG	3	3.0	8:	15	23:	1						
8 AUG	3	3.5	1:	3	6:	8		19 AUG	3	3.0	8:	14	11:	1						
9 AUG	2	3.0	1:	8	8:	1		20 AUG	3	2.0	8:	36	11:	1						
9 AUG	3	4.0	1:	2	11:	1	39:	1	20 AUG	3	3.5	1:	2	7:	7	22:	1			
10 AUG	3	6.0	1:	1	8:	6	11:	1	20 AUG	3	2.5	1:	1	6:	14	11:	2			
			23:	1				21 AUG	3	6.0	1:	6	6:	22	11:	4				
10 AUG	3	5.0	1:	3	8:	2	11:	1							22:	1				
			24:	1				21 AUG	6	7.5	8:	8	11:	2						
10 AUG	3	2.0	7:	1	8:	5	24:	16	21 AUG	3	2.0	8:	13							
10 AUG	2	3.0	1:	2	11:	4		21 AUG	3	3.0	8:	5	11:	3						

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				
			1:	3:	6:	11:	2:				1:	3:	6:	11:	2:
21 AUG	1	4.0	8: 16					5 SEP	3	4.0	1: 3	6: 6	11: 2		
22 AUG	3	4.0	1: 2	8: 2	11: 1						22: 1				
22 AUG	3	2.0	1: 1	8: 14				5 SEP	3	7.5	1: 3	6: 13	10: 6		
22 AUG	6	5.0	1: 1	8: 6				6 SEP	3	3.0	1: 4	6: 7	11: 2		
23 AUG	2	3.0	8: 11	11: 3							23: 1				
23 AUG	3	3.5	1: 4	11: 3	39: 1			6 SEP	3	3.0	8: 2	24: 61			
23 AUG	3	6.0	6: 23	11: 5	39: 1			7 SEP	3	3.0	8: 8	23: 4			
23 AUG	3	2.0	1: 1	8: 9				7 SEP	3	10.0	38: 1				
23 AUG	3	4.0	1: 1	8: 3	11: 2			7 SEP	3	3.0	6: 16	11: 1			
			39: 1					8 SEP	3	3.0	1: 2	11: 1	23: 2		
23 AUG	3	3.0	1: 1	8: 7	11: 2						39: 1				
			23: 1					8 SEP	6	1.5	8: 7				
24 AUG	3	3.5	1: 1	8: 11				8 SEP	3	10.0	22: 2				
24 AUG	2	3.0	8: 3	11: 1				8 SEP	3	3.5	1: 3	8: 4	11: 1		
26 AUG	3	2.5	6: 9					9 SEP	3	3.0	8: 10	11: 2	22: 1		
26 AUG	3	6.0	6: 17	11: 7	24: 1			9 SEP	3	3.0	24: 53				
27 AUG	3	8.0	1: 1	6: 19	11: 4			9 SEP	3	10.0	21: 2				
			24: 16	29: 1	79: 3			9 SEP	6	3.0	8: 10				
27 AUG	3	3.0	8: 6	11: 1	24: 1			9 SEP	3	4.5	6: 9	22: 1	24: 6		
27 AUG	1	4.0	1: 2	8: 16	11: 1			10 SEP	6	3.0	1: 1	8: 4	11: 3		
27 AUG	3	7.5	1: 5	8: 8	11: 5			10 SEP	3	10.0	11: 12	24: 6			
			24: 10					10 SEP	3	2.0	1: 1	8: 7	24: 3		
28 AUG	3	3.0	8: 5					10 SEP	3	3.5	1: 1	8: 3	24: 5		
28 AUG	3	7.0	1: 2	8: 4	11: 1			11 SEP	3	5.0	8: 2	24: 13	35: 1		
			22: 3	24: 1				11 SEP	3	3.0	8: 1	24: 2			
28 AUG	3	6.0	1: 11	8: 27				11 SEP	3	10.0	11: 2	24: 5			
29 AUG	3	3.0	1: 4	8: 11				11 SEP	3	7.5	6: 10	22: 1	23: 2		
29 AUG	3	3.5	1: 2	8: 3	11: 2						24: 20				
29 AUG	6	8.0	8: 2	24: 7	39: 1			12 SEP	3	10.0	11: 1	24: 5			
29 AUG	3	3.0	1: 1	6: 6	7: 1			12 SEP	3	6.0	6: 1	24: 49	68: 1		
			11: 3					13 SEP	3	10.0	11: 2	24: 5			
30 AUG	3	3.0	1: 4	6: 12				14 SEP	3	10.0	11: 1	24: 5			
30 AUG	6	4.0	1: 2	8: 5	24: 6			14 SEP	3	6.0	6: 3	24: 69	68: 2		
30 AUG	3	3.5	1: 5	22: 1				14 SEP	3	7.5	1: 1	6: 5	11: 2		
30 AUG	3	3.0	1: 1	8: 19							22: 2	24: 26			
31 AUG	3	3.0	1: 1	8: 11				16 SEP	6	7.0	1: 1	8: 1	11: 2		
31 AUG	2	3.0	1: 3	8: 9	11: 4						24: 10				
31 AUG	3	2.0	1: 5	6: 8	11: 2			17 SEP	3	3.0	1: 1	7: 1	11: 1		
2 SEP	3	3.5	1: 6	8: 10	22: 1						24: 23				
2 SEP	3	3.0	8: 8					17 SEP	6	4.0	1: 2	8: 4	24: 3		
3 SEP	3	1.0						17 SEP	3	10.0	11: 1	22: 4	38: 2		
3 SEP	2	3.0	1: 1	8: 3	11: 1			18 SEP	3	3.0	8: 2	11: 1			
3 SEP	3	7.0	6: 6	11: 2	24: 12			18 SEP	3	3.5	1: 2	11: 2	22: 1		
4 SEP	3	3.0	8: 27	11: 1	24: 2						24: 1				
4 SEP	3	3.0	8: 4					20 SEP	3	7.0	1: 3	8: 13	11: 1		
5 SEP	3	3.0	1: 1	8: 3	11: 1						24: 2	25: 1	29: 1		
			24: 1					21 SEP	3	3.0	1: 1	8: 9	22: 3		

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
			3.0+	39: 1						3.0	1: 15		
21 SEP	3	3.0+	39: 1				4 OCT	3	3.0	1: 15			
21 SEP	3	5.0	1: 4	8: 2	24: 12		4 OCT	3	5.0	1: 7	6: 2		
21 SEP	3	7.5	1: 20	6: 6	23: 2		4 OCT	3	8.0	1: 1	24: 31	68: 3	
			39: 1				5 OCT	3	6.0	22: 2	23: 1	24: 1	
21 SEP	3	3.0	6: 2	24: 5						68: 3			
22 SEP	3	3.5	1: 1	6: 1	22: 3		5 OCT	3	3.0	24: 14			
			24: 20				5 OCT	3	7.0	1: 5	11: 6		
22 SEP	3	3.0	6: 1	8: 1	11: 1		6 OCT	3	3.0	1: 6	11: 8		
23 SEP	3	3.0	8: 1	11: 1	24: 1		6 OCT	3	3.5	1: 11	11: 4		
23 SEP	3	3.5	6: 4	23: 3	24: 1		7 OCT	3	7.0	6: 3	22: 1	24: 4	
23 SEP	3	3.0	6: 2				7 OCT	3	2.0	1: 6	11: 6	13: 1	
23 SEP	3	3.0	1: 7	6: 9			7 OCT	3	3.0	1: 5	12: 4	24: 10	
24 SEP	3	3.0	1: 2	6: 1	24: 20		8 OCT	3	3.0	1: 4	12: 2	24: 3	
24 SEP	3	3.0	6: 2	11: 1			8 OCT	3	1.5	1: 2	11: 7		
24 SEP	3	4.5	8: 1	24: 9			8 OCT	3	7.0	1: 3	11: 2	24: 12	
24 SEP	3	10.0	11: 5	24: 12			8 OCT	3	3.0	23: 6	24: 2	29: 1	
27 SEP	1	4.0	22: 1	24: 2						68: 1			
27 SEP	3	3.0	24: 18				9 OCT	3	3.5	1: 2	11: 4	22: 1	
27 SEP	3	2.0	23: 2	24: 5			9 OCT	3	6.5	1: 2	11: 4		
27 SEP	3	3.0	1: 3	11: 1	22: 2		9 OCT	3	4.5	1: 5	6: 4	11: 5	
28 SEP	3	3.0	1: 3							23: 4	24: 2		
28 SEP	3	3.0	1: 1	6: 1			10 OCT	3	3.0	1: 4	11: 6		
28 SEP	3	3.0	24: 23				10 OCT	3	3.0	1: 1	8: 3		
28 SEP	3	6.0	23: 2	24: 4	87: 1		10 OCT	3	3.5	1: 2	75: 1		
29 SEP	1	4.0	22: 2				11 OCT	3	3.5	1: 1	23: 2	24: 3	
29 SEP	3	4.0	1: 9	8: 1			11 OCT	3	3.0	11: 5			
29 SEP	3	3.0	1: 1	8: 2			11 OCT	3	4.0	1: 4	6: 6	11: 2	
29 SEP	3	2.0	6: 1	11: 2						23: 2	24: 3		
29 SEP	3	2.5	11: 1	24: 3			12 OCT	3	3.0	1: 2	22: 9		
29 SEP	3	3.0	1: 4	11: 1			12 OCT	3	3.5	22: 4	24: 11		
30 SEP	3	3.0	1: 7	7: 2	11: 2		13 OCT	3	2.5	7: 6	11: 8	17: 2	
			22: 1							25: 1	120: 1		
30 SEP	3	8.0	3: 70	22: 1	24: 50		14 OCT	3	3.0	23: 5			
			29: 2				14 OCT	3	3.0	11: 1			
30 SEP	3	7.5	11: 1	22: 1	24: 71		14 OCT	3	3.0				
30 SEP	3	4.0	1: 11				15 OCT	3	6.5				
1 OCT	3	8.0	23: 4	24: 26			15 OCT	3	2.0	1: 1	23: 13	24: 1	
1 OCT	3	1.5	1: 12				15 OCT	3	7.0	24: 13			
1 OCT	3	3.5	11: 1	22: 2	23: 1		16 OCT	3	4.0	1: 1	6: 2	22: 1	
1 OCT	3	3.0	1: 7							24: 1			
2 OCT	3	5.5	1: 21	7: 4	11: 2		16 OCT	3	3.0	11: 2			
			39: 1				16 OCT	3	7.0	23: 26	68: 4		
2 OCT	3	8.0	23: 1	24: 31			16 OCT	3	4.0	1: 1	11: 3		
2 OCT	3	7.5	1: 2	11: 1	22: 2		16 OCT	3	2.5	1: 6	11: 5		
			23: 1	61: 2			16 OCT	3	7.0	1: 1	11: 1	24: 1	
3 OCT	3	3.0	1: 1	11: 2						29: 1	41: 1	62: 3	
3 OCT	3	3.0	1: 3	24: 6						68: 3	80: 4		

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			1:	4:	6:	2:	11:	3:				1:	2:	8:	2:	8:	1:
17 OCT	3	3.0	1:	4	6:	2	11:	3	28 OCT	3	1.0	1:	2				
			23:	3	24:	8			28 OCT	3	3.0	1:	1	8:	2		
17 OCT	3	4.0	8:	21	24:	8			28 OCT	3	3.0	8:	1	11:	1	13:	1
18 OCT	3	7.0	8:	1	22:	1	24:	11				23:	3				
			29:	1	39:	1	68:	19	29 OCT	3	6.0	1:	2	7:	2	11:	1
20 OCT	3	3.0	11:	2	22:	1	24:	13				39:	1				
			68:	7					29 OCT	3	3.0	7:	8				
20 OCT	3	7.0	24:	6					29 OCT	3	3.5	1:	1	6:	6	39:	1
20 OCT	3	8.0	1:	3	6:	7	11:	1	29 OCT	3	3.0	8:	3	23:	1		
			23:	1	24:	21	68:	2	30 OCT	3	4.0	1:	2	8:	2		
20 OCT	3	3.0	22:	5	24:	7			30 OCT	3	3.0	1:	4	8:	1		
21 OCT	3	3.0	11:	1	22:	6	24:	3	30 OCT	3	7.0	11:	1				
21 OCT	3	5.0	1:	2	21:	1	22:	1	30 OCT	3	3.0	1:	2	3:	1	6:	4
			24:	5								7:	2	11:	3		
21 OCT	3	3.5							31 OCT	3	5.5	7:	1	29:	1	39:	3
21 OCT	3	3.0	24:	7	68:	10			31 OCT	3	3.0	1:	2	8:	3		
21 OCT	3	7.0	7:	4	16:	1	20:	2	31 OCT	3	3.5	1:	2	11:	1	24:	1
			23:	1	62:	17	68:	12				39:	2				
22 OCT	3	7.0	20:	1	23:	4	24:	10	1 NOV	3	3.5	1:	3	11:	2	23:	1
			29:	1	62:	13						24:	1	68:	2		
22 OCT	3	3.0	23:	6	24:	15	29:	1	1 NOV	3	3.0	29:	1				
22 OCT	3	3.0	1:	1	11:	1			1 NOV	3	3.0	1:	4	11:	1		
22 OCT	3	5.0	22:	1	24:	10	39:	1	2 NOV	3	6.5	1:	1	22:	1	39:	2
			68:	10					3 NOV	3	3.0	39:	1				
22 OCT	3	6.0	6:	1	22:	2	24:	6	3 NOV	3	3.0	6:	1	29:	1		
23 OCT	3	3.5	11:	2	23:	2	24:	4	3 NOV	3	3.0	1:	3	8:	7		
23 OCT	3	3.0	8:	1	24:	2			3 NOV	3	3.5	11:	2	24:	4		
23 OCT	3	1.0	23:	5	68:	4			3 NOV	3	3.0	7:	2	11:	1	13:	2
24 OCT	3	3.5	1:	3	3:	1	6:	4	4 NOV	3	3.0	1:	5	7:	1	24:	12
			11:	1								39:	1				
24 OCT	3	6.5	24:	6	39:	1			4 NOV	3	3.0	1:	5	8:	4	11:	4
25 OCT	3	6.0	1:	6	11:	4			4 NOV	3	6.5						
25 OCT	3	3.0	1:	2	8:	2	11:	1	5 NOV	3	3.0	1:	4	11:	2		
			22:	2					5 NOV	3	2.0						
25 OCT	3	3.0	1:	6	8:	11			5 NOV	3	3.0	1:	2	24:	3		
25 OCT	3	7.0	1:	12	6:	8	22:	1	5 NOV	3	3.0	1:	7	4:	20	7:	10
			29:	1	62:	2	79:	1				11:	3	12:	1	13:	4
26 OCT	3	4.0	1:	21	6:	7	7:	2	6 NOV	3	4.0	24:	4				
			11:	2	25:	1			6 NOV	3	3.0	1:	1	11:	1	75:	1
26 OCT	3	3.0	1:	1	6:	8	68:	4	6 NOV	3	7.5	1:	12	6:	6	39:	1
26 OCT	3	7.0	8:	4	24:	7			6 NOV	3	2.5	29:	1	39:	1		
26 OCT	3	3.0	1:	5	11:	2			7 NOV	3	3.0	91:	3				
27 OCT	3	3.0	1:	4	11:	4			7 NOV	3	3.0	24:	2	68:	10		
27 OCT	3	3.0	6:	2	7:	2	35:	1	8 NOV	3	8.0	1:	15				
27 OCT	3	5.0	1:	2	6:	5	11:	2	8 NOV	3	6.5						
27 OCT	3	3.0	1:	2	8:	13			9 NOV	3	2.0	1:	12	8:	7	22:	1
27 OCT	3	3.0	6:	7	7:	3	11:	3	10 NOV	3	4.0	1:	2	11:	1	22:	1

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			1:	2:	6:	7:	22:	1:				1:	2:	3:	24:	1:	
10 NOV	3	8.0	1:	21	6:	7	22:	1	21 NOV	3	6.0+	38:	1				
10 NOV	3	6.5	1:	2	11:	4	23:	1	21 NOV	3	3.0	29:	1				
			39:	2					21 NOV	3	3.0	7:	9	11:	4	13:	1
11 NOV	3	3.0	29:	1	35:	1					74:	2					
11 NOV	3	1.0	1:	1					21 NOV	3	4.0	1:	3	11:	2	23:	2
11 NOV	3	3.5	1:	2	39:	1			22 NOV	3	3.0	1:	2	24:	3		
11 NOV	3	5.0	1:	9	13:	1	22:	1	23 NOV	3	3.0	8:	6	11:	2	24:	1
			29:	2	68:	5			23 NOV	3	3.0	24:	2	29:	1		
12 NOV	3	6.0	3:	12	25:	4	68:	5	24 NOV	3	3.0	6:	1				
			79:	1					24 NOV	3	2.5						
12 NOV	3	3.0	21:	1	24:	1			24 NOV	3	3.0	1:	1	11:	1	24:	19
12 NOV	3	6.5	1:	2	11:	1			24 NOV	3	3.0	1:	3	24:	2		
12 NOV	3	7.0	6:	1	29:	1			25 NOV	3	3.5	1:	2	6:	3	10:	2
12 NOV	3	6.0	1:	3	6:	2	7:	2			24:	1					
			11:	8	39:	1			25 NOV	3	3.0	23:	1	24:	1		
13 NOV	3	4.0	1:	2	11:	3			25 NOV	3	4.0	11:	3				
13 NOV	6	8.5	1:	9	6:	11	11:	1	25 NOV	3	3.0	8:	7	11:	1		
			19:	2					25 NOV	3	6.0	8:	3	11:	1		
14 NOV	3	3.0	1:	5	8:	7			25 NOV	3	3.0	6:	1				
14 NOV	3	6.5	1:	2	10:	1	23:	1	26 NOV	3	3.0	6:	1	24:	2		
			39:	1					26 NOV	3	5.5	8:	6	11:	3		
14 NOV	3	6.5	1:	2	8:	2	11:	1	26 NOV	3	3.0	8:	16	11:	2		
			13:	1	22:	1			26 NOV	3	3.5	1:	1	10:	1	24:	3
14 NOV	3	3.0	6:	2	22:	1					39:	1					
15 NOV	3	3.0	1:	1	8:	2	11:	3	26 NOV	3	2.0	1:	3	6:	2	7:	2
15 NOV	3	6.5	1:	4	6:	2	22:	1			23:	3					
			24:	1					27 NOV	3	4.0	1:	6	11:	2	22:	1
15 NOV	3	3.0	11:	1	23:	1	24:	1	27 NOV	3	3.5	1:	4	6:	2		
15 NOV	3	7.0	1:	5	6:	6	11:	1	27 NOV	3	4.0	1:	3	6:	5	11:	1
			24:	2					27 NOV	6	3.0	8:	6	11:	4		
15 NOV	3	3.0	1:	10	6:	1	7:	10	28 NOV	3	3.0	24:	4				
16 NOV	3	4.0	11:	1	39:	1			28 NOV	3	3.0	8:	2	23:	2	24:	6
16 NOV	3	3.0	1:	5	11:	1			28 NOV	3	8.0	1:	4	11:	1	22:	2
16 NOV	3	3.0	11:	1	13:	1	22:	1	29 NOV	2	3.0	1:	5	2:	2	7:	6
17 NOV	3	3.0	11:	2							11:	1	19:	2			
17 NOV	3	4.0	23:	2					29 NOV	3	3.0	11:	1				
18 NOV	3	7.0	1:	6	8:	11	11:	4	30 NOV	3	3.0	1:	3	6:	1	24:	3
			39:	1					30 NOV	3	3.0	1:	13	6:	6	24:	15
18 NOV	3	3.5	1:	7	6:	5			1 DEC	3	3.0	22:	1	24:	4		
18 NOV	3	3.0	11:	2					1 DEC	3	7.0	8:	6	24:	12		
19 NOV	3	6.0	11:	2	13:	1			1 DEC	3	3.5	1:	2	11:	3	23:	1
19 NOV	3	3.0	1:	4	8:	16	11:	3	2 DEC	3	4.0	1:	5	11:	1		
19 NOV	3	7.0	1:	3	6:	4	22:	1	3 DEC	3	8.0	1:	6	8:	2	24:	4
			24:	9					3 DEC	3	6.0	8:	8	11:	3	29:	1
20 NOV	3	3.5	1:	6	11:	1	24:	2	3 DEC	3	6.0	1:	2	11:	1	23:	1
20 NOV	3	3.0	8:	6					5 DEC	3	2.5	1:	6	6:	3		
21 NOV	3	6.0	8:	8	29:	2	35:	1	5 DEC	3	3.5	1:	5	11:	2	24:	3

APPENDIX TABLE 11 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			1:	2	11:	2	23:				1:	1	2:	1	24:	
6 DEC	3	7.0	1:	2	11:	2	23:	1	20 DEC	3	4.0	1:	1	2:	1	24: 4
			24:	3					21 DEC	3	3.0	11:	1			
7 DEC	3	3.0	39:	2					22 DEC	3	2.0	8:	11	11:	1	
7 DEC	6	3.0	11:	1					22 DEC	3	3.0					
7 DEC	3	4.0	1:	3	8:	5	11:	2	23 DEC	3	5.5	8:	6	11:	5	
7 DEC	3	4.0	1:	4	2:	1	6:	2	23 DEC	3	3.0	8:	9	75:	1	
			7:	1					24 DEC	3	4.0	11:	2			
8 DEC	3	4.0	1:	10	8:	15	23:	3	24 DEC	3	6.0	8:	8	11:	8	
8 DEC	3	7.5	1:	3	3:	2	22:	1	25 DEC	3	4.0	1:	1	24:	4	
			24:	15					26 DEC	3	3.0	8:	6			
8 DEC	3	6.5	1:	4	6:	2	11:	2	26 DEC	3	3.0	1:	2	6:	4	11: 1
			39:	1					27 DEC	3	6.5	6:	3	11:	3	24: 3
9 DEC	3	3.0	6:	4	23:	2			27 DEC	3	4.0	3:	11	11:	2	
9 DEC	3	3.0	35:	1					28 DEC	3	6.0	11:	2	24:	1	29: 1
9 DEC	3	3.0	8:	3	11:	1	23:	1	28 DEC	3	6.5	6:	7	11:	2	
			24:	4					29 DEC	3	6.0	1:	1	6:	5	11: 2
10 DEC	3	4.0	1:	2	7:	1	11:	2			39:	1				
			23:	2					29 DEC	3	2.0	1:	4	8:	2	11: 1
10 DEC	3	3.0	1:	1	8:	3	11:	3	30 DEC	3	5.5	6:	6	23:	2	24: 8
10 DEC	3	3.5	1:	8	11:	3	23:	2			29:	2	35:	1	39: 1	
			24:	3												
10 DEC	3	3.0	24:	6												
11 DEC	3	3.0	12:	1	23:	1										
11 DEC	3	3.5	1:	6	11:	1	24:	2								
11 DEC	3	4.0	1:	5	11:	1	22:	1								
			24:	2												
11 DEC	3	2.0	23:	6	24:	3										
13 DEC	3	4.0	1:	1	11:	3										
13 DEC	3	7.0	1:	1	8:	8	11:	3								
13 DEC	3	3.0	24:	4												
13 DEC	3	6.0	1:	1	11:	1										
14 DEC	3	8.0	1:	2	8:	7	23:	2								
			39:	1												
15 DEC	3	4.0	8:	7	11:	1										
15 DEC	3	3.5	1:	3	11:	2	22:	1								
			29:	1												
15 DEC	3	3.0	1:	2	24:	1										
16 DEC	3	6.0	8:	8	11:	4										
16 DEC	3	3.0	23:	2	24:	7										
17 DEC	3	4.0	1:	2	11:	2	39:	1								
17 DEC	3	3.0	24:	31												
17 DEC	3	3.5	1:	7	11:	1	39:	1								
17 DEC	3	6.0	8:	5	11:	6	21:	1								
17 DEC	3	3.0	1:	1	8:	1										
18 DEC	3	3.0	24:	6												
18 DEC	3	3.0	23:	2	24:	26										
19 DEC	3	3.0	1:	1	8:	6	24:	5								

APPENDIX TABLE 12. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM SOUTHEAST FLORIDA

DATE	ZONE	HOURS FISHED					HOURS FISHED						
		-- CATCH PER SPECIES --					DATE	ZONE	-- CATCH PER SPECIES --				
3 APR	3	3.0	11:	2			6 MAY	6	8.0	7: 20	10: 1	13: 9	
3 APR	2	8.0	29:	1	35:	3	87:	2		103:	1		
4 APR	6	3.0	3:	8	35:	1		6 MAY	3	0.5	13:	2	
4 APR	3	4.0	13:	3	75:	1	79:	2	7 MAY	6	3.0	7: 30	13: 12
5 APR	3	6.0	13:	3	80:	1		7 MAY	3	1.0	13:	3	
5 APR	6	3.0	3:	12	6:	1	35:	1	7 MAY	3	1.0	13:	2
6 APR	2	3.0	3:	10				8 MAY	3	8.0	13: 42	24: 9	29: 2
6 APR	3	2.0	13:	21						60:	2		
6 APR	3	4.0	5:	2	35:	2	80:	1	8 MAY	2	2.0	13:	2
9 APR	3	4.0	8:	1	80:	2		10 MAY	3	0.5	13:	1	
9 APR	3	1.0	13:	6				13 MAY	3	0.5	13:	2	
10 APR	3	2.0	13:	12	17:	1		14 MAY	2	1.0	2:	1	13: 1
10 APR	2	4.0	35:	2				15 MAY	3	4.0	13: 24	35:	1
11 APR	2	4.0	13:	3				17 MAY	3	1.0	80:	1	
12 APR	3	2.0	13:	4	37:	2		19 MAY	3	7.0	11: 2	13: 41	35: 1
12 APR	1	2.0	126:	15				20 MAY	3	8.0	13: 21	24: 8	80: 26
13 APR	3	0.5	126:	10				21 MAY	3	1.0	13:	6	
14 APR	5	1.0	82:	12	126:	8		21 MAY	6	2.0	29:	1	35: 1
16 APR	3	3.0	5:	1	79:	3	80:	3	22 MAY	6	5.0	7: 40	13: 22
16 APR	3	1.0	13:	2				25 MAY	3	1.5	13:	6	
17 APR	6	2.0	11:	4	13:	9		27 MAY	1	2.0	75:	1	
17 APR	3	0.5	37:	3				28 MAY	3	3.0	79:	6	80: 1
17 APR	2	4.0	8:	3	13:	2	35:	1	29 MAY	6	4.0	7: 20	13: 18
20 APR	3	3.0	13:	5	37:	2		29 MAY	3	2.0	13:	1	79: 4 80: 10
21 APR	3	2.5	13:	4				1 JUN	3	2.0	79:	8	80: 1
23 APR	3	3.0	13:	3	29:	1		3 JUN	3	1.0	13:	2	
26 APR	3	4.0	80:	7				4 JUN	3	1.0	79:	2	
26 APR	2	1.0	13:	2				5 JUN	1	2.0	35:	1	
26 APR	3	4.0	18:	2	54:	2		12 JUN	3	2.0	79:	4	80: 9
26 APR	3	4.0	1:	2	13:	2	26:	6	12 JUN	3	1.0	13:	2
			99:	30	118:	2		14 JUN	3	0.5	79:	2	
27 APR	3	1.0	118:	10				16 JUN	2	2.0	13:	1	14: 15 18: 1
27 APR	3	6.0	17:	1	24:	40	54:	20		20:	3	118:	6 133: 1
27 APR	3	3.0	13:	4	24:	1	80:	4	18 JUN	1	2.0		
28 APR	3	3.0	13:	5				22 JUN	1	1.0	35:	1	
28 APR	2	1.0	13:	1				25 JUN	6	3.0	8:	6	11: 3
28 APR	3	0.5						26 JUN	3	2.0	13:	5	
29 APR	3	3.0	39:	1	80:	3		2 JUL	3	4.0	79:	10	
30 APR	3	3.0	13:	2	39:	1		2 JUL	1	4.0	7:	4	26: 6 42: 43
1 MAY	3	6.0	11:	1	13:	27		5 JUL	3	3.0	79:	1	80: 1
1 MAY	3	1.5	13:	2	80:	3		6 JUL	3	6.0	79:	3	80: 8
2 MAY	2	4.0	13:	5				10 JUL	3	2.0	80:	7	
3 MAY	3	1.0	13:	2	80:	1		12 JUL	3	0.5	79:	3	
3 MAY	3	6.0	26:	30	54:	10		13 JUL	3	1.0	75:	1	
4 MAY	3	2.0	13:	4				14 JUL	3	1.0	79:	1	80: 3
4 MAY	3	3.0	13:	2	24:	2		14 JUL	6	1.0	79:	2	
5 MAY	3	2.0	13:	2				17 JUL	3	2.0	35:	1	75: 2

APPENDIX TABLE 12 (CONTINUED).

DATE	ZONE	HOURS FISHED				HOURS FISHED			
		— CATCH PER SPECIES —				— CATCH PER SPECIES —			
17 JUL	3	1.5	75:	1		13 OCT	2	2.0	10: 1
21 JUL	3	1.0	79:	7		14 OCT	3	1.0	7: 1
22 JUL	3	2.5	13:	2	79: 2	15 OCT	3	2.0	79: 2 82: 9
22 JUL	3	1.0	79:	1	114: 1	20 OCT	3	2.0	20: 1 50: 9 79: 16
23 JUL	3	0.5							82: 21
24 JUL	3	3.0	35:	2		22 OCT	3	1.0	6: 6
26 JUL	3	3.0	79:	12	80: 4	23 OCT	3	2.5	29: 4 35: 1
27 JUL	3	2.0	79:	9		25 OCT	3	4.0	35: 1 62: 10 79: 2
27 JUL	6	3.0	8:	7	11: 3	26 OCT	3	5.0	13: 3 20: 1 62: 21
28 JUL	3	3.0	11:	1	75: 1 79: 2				79: 15 82: 32
			80:	1		4 NOV	3	0.5	62: 3 82: 6
29 JUL	3	3.0	35:	2		5 NOV	3	1.0	19: 1
30 JUL	3	0.5	79:	2		6 NOV	3	3.0	91: 1
4 AUG	3	2.0	35:	1	79: 1 80: 5	6 NOV	3	1.0	
5 AUG	3	0.5	80:	1		6 NOV	3	2.0	1: 10 3: 22 7: 8
6 AUG	3	0.5							12: 1 13: 5
7 AUG	3	1.0				8 NOV	3	1.0	13: 1 82: 1
7 AUG	3	2.0				8 NOV	3	3.0	5: 1
8 AUG	3	2.5				9 NOV	3	1.0	82: 16
10 AUG	3	2.0	79:	3	80: 2 114: 1	11 NOV	3	2.0	82: 21
11 AUG	3	2.0	79:	6	80: 1	11 NOV	2	2.0	3: 6 6: 2 62: 4
13 AUG	3	1.0	79:	1	80: 2	12 NOV	2	2.0	7: 5 13: 6 19: 2
13 AUG	1	1.0	24:	2		12 NOV	3	7.0	7: 30 39: 1
13 AUG	3	2.5				12 NOV	3	0.5	80: 1 82: 1
15 AUG	3	2.0	35:	1		18 NOV	3	1.0	13: 1 41: 9 82: 31
19 AUG	3	0.5	80:	4		26 NOV	2	1.0	3: 2
20 AUG	3	2.0	35:	1		7 DEC	3	4.0	13: 4
21 AUG	3	2.0	35:	1		8 DEC	3	4.0	13: 5 37: 1 79: 5
22 AUG	3	2.0	35:	1					82: 4
23 AUG	3	2.0	35:	1		11 DEC	3	1.0	82: 12
24 AUG	3	0.5	79:	4		13 DEC	3	1.0	82: 6
26 AUG	3	3.0	79:	7	80: 9	17 DEC	3	1.0	80: 2
27 AUG	3	1.0				18 DEC	3	1.0	80: 5
28 AUG	3	2.0	79:	11	80: 3	21 DEC	3	1.0	13: 1 62: 10
31 AUG	3	0.5	79:	2		22 DEC	3	1.0	75: 1
2 SEP	3	1.0	79:	2		26 DEC	3	0.5	13: 1
3 SEP	3	2.0	79:	1		28 DEC	3	2.0	62: 9
5 SEP	3	1.5	79:	6	80: 7				
7 SEP	3	2.0	79:	2	80: 5				
10 SEP	3	2.0	62:	3	79: 2 80: 1				
17 SEP	3	2.0	79:	3	81: 6				
29 SEP	3	1.0							
5 OCT	3	2.0	13:	1	14: 21 79: 1				
9 OCT	3	4.0	41:	1	50: 6 62: 13				
			82:	15	118: 2				
11 OCT	3	4.0	29:	1	41: 1 50: 3				
			62:	5	82: 10				

APPENDIX TABLE 13. LOGGED 1983 TROLLING CATCH AND EFFORT FROM SOUTH FLORIDA

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			1:	9	11:	1	25:	2				1:	5	19:	2	23:	3	3
2 JAN	2	6.0							2 APR	3	4.0							
3 JAN	6	6.0	11:	2	17:	1	22:	3	2 APR	6	4.0							
			25:	3					2 APR	3	4.0							
4 JAN	6	6.0	1:	5	19:	2	23:	3	2 APR	3	4.5							
			25:	3	26:	1			3 APR	3	2.5							
6 JAN	2	6.0	1:	2	6:	1	11:	5	3 APR	2	1.5	11:	1	19:	1	25:	2	
			25:	4	26:	1	60:	2	4 APR	2	2.0	11:	5					
8 JAN	6	6.0	6:	1	11:	2	19:	2	4 APR	2	1.5	6:	2	11:	2	25:	3	
			23:	1	39:	1			4 APR	3	6.0	6:	3	23:	14	24:	26	
9 JAN	3	6.0	1:	3	6:	9	11:	2	4 APR	6	3.0	3:	2	24:	2			
			23:	2	25:	1			4 APR	6	6.0	11:	7	19:	4	24:	2	
10 JAN	6	6.0	6:	1	11:	3	25:	3	4 APR	3	8.0							
			39:	1					4 APR	2	1.5	11:	6					
12 JAN	2	6.0	11:	5	25:	4			5 APR	2	5.0	11:	3					
15 JAN	2	6.0	6:	2	11:	8	18:	2	5 APR	3	6.0	24:	7	75:	1			
			25:	10					5 APR	3	7.0	1:	2	6:	2	23:	12	
16 JAN	2	6.0	1:	2	6:	1	11:	5										
			19:	2	25:	2			5 APR	2	2.0	11:	4	13:	1	25:	2	
21 JAN	2	6.0	1:	7	11:	3	19:	1	5 APR	3	6.0	24:	4					
			24:	5	25:	7			6 APR	3	4.0	24:	6					
25 JAN	2	6.0	1:	1	6:	2	11:	1	6 APR	2	1.0	11:	3	19:	1	25:	1	
			13:	1	19:	1	25:	17	6 APR	3	5.0	6:	4	23:	21	24:	16	
26 JAN	2	6.0	6:	1	11:	6	19:	2	6 APR	3	3.0							
			25:	9					6 APR	3	2.0	13:	2					
27 JAN	6	6.0	1:	11	6:	1	11:	2	6 APR	2	3.0	11:	6	24:	1			
			19:	1	25:	6			7 APR	3	6.0	22:	2	23:	1	24:	14	
28 JAN	3	6.0	22:	1	24:	1			7 APR	6	2.0	11:	4	22:	1	24:	2	
29 JAN	6	6.0	1:	8	6:	2	11:	2										
			19:	1	25:	6			7 APR	3	6.0	24:	4					
30 JAN	6	6.0	1:	9	6:	2	19:	1	7 APR	3	5.0	6:	4	23:	12			
			24:	2	39:	1			7 APR	3	6.0	24:	1					
1 FEB	3	2.0	24:	5					8 APR	6	4.0	6:	3	11:	1	12:	1	
3 FEB	2	6.0	1:	17	6:	4	11:	1										
			25:	5					8 APR	3	2.0	1:	1	8:	2	24:	2	
4 FEB	2	3.0	1:	1	11:	3	25:	1	8 APR	2	2.5	24:	2					
5 FEB	2	6.0	1:	14	6:	1	11:	2	8 APR	6	2.0	11:	4	40:	1			
			25:	2					9 APR	3	6.0	6:	1	8:	4	11:	2	
28 MAR	6	4.0	6:	1	11:	4												
29 MAR	2	0.5	11:	1					9 APR	6	6.0	1:	2	11:	1	24:	8	
30 MAR	2	7.0	5:	5	39:	1												
31 MAR	6	4.0	11:	6	25:	4			9 APR	6	4.0	6:	2	24:	3	25:	1	
1 APR	2	5.0	8:	4	11:	4	24:	1	9 APR	3	2.5	24:	7					
			78:	1					10 APR	6	3.0	11:	2					
1 APR	2	3.0	6:	3	11:	1	19:	2	10 APR	3	5.0	6:	2	23:	9	24:	1	
			25:	2					10 APR	3	4.0	11:	1					
1 APR	2	3.0	2:	3	23:	1			10 APR	3	6.0	24:	9					
1 APR	3	5.0	24:	14					10 APR	6	5.0	5:	2	6:	2	19:	2	

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
10 APR	6	5.0+	24:	1	25:	1		20 APR	3	4.0	6:	8	22:	1	23:	1	
10 APR	6	4.5	11:	2	24:	5		21 APR	6	4.5	11:	11	12:	2	13:	1	
11 APR	6	2.0	19:	2	24:	3	25:	1	21 APR	3	1.0	6:	1				
11 APR	6	5.5	5:	1	11:	2	19:	2	21 APR	2	2.0						
			25:	1				21 APR	3	7.0	8:	7	13:	3	23:	6	
11 APR	2	4.0	11:	5	81:	6					24:	38					
11 APR	3	4.0	22:	1	23:	13		21 APR	3	5.0	23:	1	24:	37			
11 APR	6	4.0	11:	1	24:	1		22 APR	3	3.0	13:	2	24:	18			
12 APR	3	5.0	6:	4	23:	7	24:	43	22 APR	3	3.5	6:	1	23:	1	24:	10
			50:	2	80:	3		22 APR	6	7.0	13:	1	23:	7	25:	1	
12 APR	3	4.0	11:	3	24:	1	25:	2			68:	4	80:	2			
12 APR	2	2.0	11:	4	19:	3		22 APR	3	4.0	11:	1	24:	5	25:	1	
12 APR	2	2.0	12:	2	19:	1					39:	1					
13 APR	3	4.5	22:	1	23:	1	24:	4	22 APR	3	2.0	6:	1	24:	1		
13 APR	2	2.0	11:	6				22 APR	3	8.0	23:	5	24:	45	68:	9	
14 APR	6	2.0	11:	4	24:	5		22 APR	3	1.5							
15 APR	3	3.0	6:	2	13:	1	24:	1	23 APR	1	5.0	11:	25				
15 APR	3	6.0	23:	1	24:	15	25:	1	23 APR	6	4.0	8:	2	11:	2	22:	1
15 APR	3	3.0	12:	1	22:	1	23:	1			23:	3	24:	3			
			24:	2				23 APR	3	4.0	8:	2	23:	5	24:	17	
15 APR	3	2.0	24:	4							68:	1					
15 APR	3	2.0	22:	2	68:	2		23 APR	3	1.0	24:	1					
15 APR	6	3.0	11:	1	12:	2	19:	1	24 APR	3	7.5	6:	2	23:	2	24:	37
16 APR	3	4.0	23:	1	39:	1					68:	1					
16 APR	3	6.0	6:	4	22:	2	24:	18	24 APR	3	4.0	22:	1	23:	7	24:	3
16 APR	3	4.0	13:	2	14:	1	79:	2	24 APR	3	2.5	24:	4				
			80:	1				24 APR	2	3.0	13:	2					
16 APR	3	6.0	6:	1	12:	1	23:	2	24 APR	3	6.0	6:	4	11:	1	13:	4
16 APR	3	5.0	11:	1	23:	1	25:	1	24 APR	6	4.5	12:	1	19:	1		
16 APR	1	3.0	11:	8	18:	1		25 APR	3	4.0	6:	1	23:	1	24:	1	
18 APR	2	2.0	11:	1				25 APR	3	7.0	6:	4	11:	1	13:	3	
18 APR	6	2.0	11:	1	22:	1					23:	9	24:	20			
18 APR	6	6.0	19:	2				25 APR	3	6.0	24:	52					
18 APR	3	6.0	1:	1	13:	4	22:	1	26 APR	3	7.0	13:	2	22:	1	23:	7
			23:	2	24:	2					24:	35					
18 APR	3	1.5						26 APR	3	8.0	11:	1	22:	1	23:	3	
19 APR	3	6.0	6:	8	13:	4	24:	6			39:	1	68:	1			
			25:	2				26 APR	6	4.0	11:	2	25:	1			
19 APR	3	7.0	1:	1	3:	1	6:	3	26 APR	3	7.0	8:	2	11:	1	22:	1
			11:	1	13:	3	23:	2	27 APR	6	4.5	1:	1	11:	2	25:	1
19 APR	3	3.0									75:	1					
19 APR	3	3.0	13:	2	22:	1	24:	28	27 APR	3	4.0	24:	14	60:	1		
20 APR	3	7.0	8:	2	13:	2	24:	35	27 APR	6	6.0	6:	1	11:	1	19:	1
20 APR	3	2.0	6:	1	23:	1					24:	1	25:	2	75:	1	
20 APR	3	1.5						27 APR	3	7.0	13:	3	22:	1	23:	9	
20 APR	3	6.5	23:	3	24:	7					24:	7					

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED					HOURS FISHED				
		-- CATCH PER SPECIES --					-- CATCH PER SPECIES --				
27 APR	3	6.5	24: 22	39: 1			6 MAY	3	4.0	8: 3	13: 1
28 APR	3	7.0	8: 1	13: 2	24: 23		6 MAY	2	1.5	11: 5	
28 APR	6	3.5	19: 1				6 MAY	3	4.0	24: 32	
28 APR	3	4.0	23: 1	39: 1			6 MAY	3	6.0	8: 4	11: 1
28 APR	3	5.0	23: 2	24: 1	39: 1		6 MAY	3	7.5	6: 3	8: 5 11: 1
29 APR	3	4.0	23: 1	36: 1					13: 2	23: 5	24: 9
29 APR	2	2.5	1: 1	8: 1	11: 2		6 MAY	3	7.0	11: 1	24: 19
29 APR	3	6.0	13: 5	23: 3			6 MAY	3	7.0	8: 4	24: 27
29 APR	3	7.0	24: 57				6 MAY	2	2.0	3: 1	19: 1
30 APR	3	7.0	24: 10				7 MAY	3	6.0	11: 1	24: 4 39: 1
30 APR	3	7.0	11: 1	24: 40			7 MAY	3	8.0	6: 2	8: 6 11: 1
30 APR	3	7.5	6: 2	23: 12	24: 4				22: 1	23: 5	24: 13
30 APR	3	7.5	22: 3	24: 11			7 MAY	3	5.5	24: 11	
30 APR	3	5.0	23: 1	24: 4			7 MAY	3	4.0	6: 7	24: 11
30 APR	3	8.0	1: 2	8: 3	11: 1		7 MAY	3	7.5	23: 5	24: 37 68: 1
			13: 4	22: 1	24: 2		8 MAY	3	6.5	23: 7	24: 26 68: 2
			39: 1				8 MAY	3	6.0	24: 4	
30 APR	3	4.5	11: 1	23: 3	24: 1		8 MAY	3	8.0	6: 2	24: 13 68: 2
30 APR	1	4.0	11: 10				8 MAY	3	2.0	24: 2	
30 APR	3	5.0					8 MAY	3	6.0	24: 3	
1 MAY	1	3.0	11: 7				8 MAY	3	6.0	23: 24	24: 1
1 MAY	2	1.0	11: 3				8 MAY	3	3.5	24: 1	
1 MAY	3	7.5	22: 3	24: 42			9 MAY	3	2.5	39: 1	
1 MAY	3	7.5	24: 9				9 MAY	3	2.5		
1 MAY	3	7.5	6: 4	8: 2	13: 1		9 MAY	3	6.0	13: 2	23: 2 24: 4
			23: 5	24: 10			9 MAY	3	1.5	39: 1	
1 MAY	3	7.0	8: 3	11: 1	13: 2		9 MAY	3	3.5	8: 2	22: 1 24: 2
			24: 11				10 MAY	3	8.0	22: 1	24: 16
1 MAY	3	7.0	11: 1	23: 6	24: 11		10 MAY	3	2.5	24: 10	
2 MAY	3	6.0	8: 4	24: 2			10 MAY	3	6.0	19: 1	24: 2
2 MAY	3	8.5	24: 7				10 MAY	3	6.0	24: 4	
2 MAY	3	7.5	11: 1	23: 5	24: 26		11 MAY	3	6.0	8: 4	23: 1 24: 2
			68: 3						39: 1		
2 MAY	6	3.0	11: 1	19: 1	26: 2		11 MAY	3	6.0	24: 9	
			60: 1				11 MAY	3	7.0	23: 2	24: 21
3 MAY	3	7.0	23: 4	24: 42			12 MAY	3	6.0	6: 8	11: 3
3 MAY	3	8.0	24: 26				12 MAY	3	6.0	24: 16	
3 MAY	3	4.5	24: 1	39: 1			12 MAY	3	6.0	11: 1	24: 18 68: 2
3 MAY	3	4.5	6: 3	8: 2	23: 7		12 MAY	3	3.0	24: 2	39: 1
			24: 1				13 MAY	3	6.0	2: 1	24: 7
4 MAY	3	8.0	8: 5	11: 1	22: 1		13 MAY	3	4.0	6: 7	22: 1 68: 1
			23: 6	24: 14			13 MAY	3	5.0	11: 1	23: 1 24: 17
4 MAY	3	6.0	6: 1	8: 2	22: 1				68: 3		
			24: 4				13 MAY	3	7.0	13: 2	22: 1 23: 7
4 MAY	3	4.0							24: 34		
5 MAY	2	4.5	11: 21	19: 3			13 MAY	3	3.5	6: 1	8: 1 23: 3
5 MAY	3	7.0	23: 3	24: 32					24: 6		

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
13 MAY	3	7.0	11:	2	24:	20	68:	14	20 MAY	3	6.0+	24:	4				
13 MAY	3	6.0	6:	2	10:	1	21:	2	20 MAY	2	3.0	6:	2	12:	21		
			22:	2	39:	1			20 MAY	2	3.0	11:	6	19:	2	60:	1
13 MAY	3	7.0	8:	1	11:	1	23:	1	21 MAY	2	6.0	11:	8	12:	20	19:	2
			24:	13					21 MAY	3	4.0	6:	1	11:	1		
13 MAY	3	6.0	6:	2	8:	50	12:	1	21 MAY	3	7.0	22:	1	23:	1	24:	23
			23:	1	24:	2					39:	1					
14 MAY	3	6.0	6:	7	24:	4	25:	2	21 MAY	3	7.0	24:	49				
14 MAY	3	8.0	23:	6	24:	21	68:	7	21 MAY	3	3.0	13:	2	24:	19		
14 MAY	3	6.0	6:	12	23:	1	24:	4	21 MAY	3	6.5	23:	10	24:	40	68:	1
			25:	2	39:	1			21 MAY	3	7.0	11:	1	23:	11	24:	14
14 MAY	3	7.0	7:	2	8:	2	11:	1	22 MAY	3	6.0	23:	10	24:	21	91:	1
			24:	19					22 MAY	3	3.0	6:	4	23:	9	24:	4
14 MAY	3	7.5	11:	1	23:	3	24:	39	22 MAY	3	6.0	24:	16				
			68:	3					22 MAY	3	3.0	1:	1	6:	4	23:	1
14 MAY	3	6.0	6:	1	23:	12	24:	37	23 MAY	3	3.0	24:	12				
14 MAY	3	7.0	8:	5	24:	40			23 MAY	3	3.5	24:	6				
14 MAY	3	6.0	3:	1	6:	12			23 MAY	3	7.0	6:	3	23:	8	24:	41
15 MAY	3	6.0	1:	1	6:	6	11:	2			68:	1					
			24:	4					24 MAY	3	6.5	23:	1	24:	38	68:	1
15 MAY	3	6.0	6:	1	22:	1	24:	6	24 MAY	3	3.0	23:	3	24:	4	68:	8
15 MAY	3	5.0	6:	2	23:	6	24:	1	24 MAY	3	7.5	24:	23	68:	9		
			68:	1					24 MAY	3	3.0	11:	1	24:	10	26:	2
15 MAY	3	3.0	13:	3	23:	7	24:	18	25 MAY	3	6.0	24:	25	55:	1		
15 MAY	3	8.0	23:	7	24:	10			25 MAY	6	7.0	24:	88				
15 MAY	3	6.0	6:	4	11:	1	22:	1	25 MAY	3	7.0	24:	21	55:	1		
16 MAY	3	8.5	13:	1	23:	1	24:	5	25 MAY	2	2.5	10:	1				
			68:	1					25 MAY	3	6.0	23:	1	24:	10		
16 MAY	3	5.0	6:	5	24:	1			25 MAY	3	5.0	23:	1	24:	57	68:	1
16 MAY	3	6.5	22:	8	24:	37	39:	1	25 MAY	3	7.0	22:	2	24:	42		
16 MAY	3	7.0	6:	4	13:	3	23:	9	25 MAY	3	6.0	24:	50				
			24:	24					25 MAY	3	8.0	23:	2	24:	16	68:	7
16 MAY	3	5.0	6:	6	24:	1			26 MAY	3	4.0	22:	1	24:	3		
17 MAY	3	7.0	23:	2	24:	38			26 MAY	3	6.0	24:	30				
17 MAY	3	6.0	8:	1	23:	6	24:	3	26 MAY	3	7.0	8:	3	11:	1	22:	1
			61:	1							24:	38					
17 MAY	3	2.5							26 MAY	3	5.0	24:	43				
17 MAY	3	8.0	24:	24	68:	2			26 MAY	3	7.0	6:	1	8:	2	23:	2
17 MAY	3	8.5	24:	9							24:	13					
17 MAY	3	2.0	6:	3	24:	1			26 MAY	3	6.0	24:	12				
18 MAY	3	6.0	6:	6	24:	16			26 MAY	3	6.0	6:	2	10:	1	24:	8
18 MAY	3	5.0	6:	1	11:	2	24:	2	26 MAY	3	6.0	24:	38				
18 MAY	3	7.0	22:	1	24:	6			26 MAY	3	7.5	10:	2	24:	108	68:	6
18 MAY	3	7.0	6:	6	23:	7	24:	30	26 MAY	3	6.0	24:	3	38:	1		
19 MAY	2	3.0	1:	1	8:	3			27 MAY	3	6.0	24:	30				
20 MAY	6	4.5	10:	2	24:	24			27 MAY	3	7.5	12:	1	13:	1	24:	84
20 MAY	3	6.0	6:	1	11:	3	23:	1	27 MAY	6	6.0	10:	1	24:	1	39:	1

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			3:	1	6:	1	24:				3:	1	6:	1	13:	1
27 MAY	3	2.0	3:	1	6:	1		5 JUN	3	6.5+	24:	6				
27 MAY	3	3.0	8:	2	11:	2	24:	5	5 JUN	3	7.0	8:	6	11:	1	13: 1
27 MAY	3	6.5	24:	15							22:	1	23:	13	24: 18	
27 MAY	4	4.0	24:	15				5 JUN	3	6.0	11:	1	24:	30		
27 MAY	3	6.0	8:	11	11:	1	24:	7	5 JUN	3	6.0	24:	2			
27 MAY	3	8.0	23:	2	24:	31	68:	1	5 JUN	3	6.0	6:	2	11:	1	24: 18
28 MAY	3	6.0	8:	3	24:	10	39:	1	5 JUN	3	8.0	23:	1	24:	3	
28 MAY	3	6.5	24:	42	61:	1		6 JUN	3	2.0	23:	2	24:	40		
28 MAY	3	7.0	8:	7	24:	49		6 JUN	3	6.0	24:	48				
28 MAY	3	6.5	8:	3	11:	1	24:	7	6 JUN	3	5.0	24:	25			
28 MAY	3	7.0	24:	41				6 JUN	3	6.0	11:	3	24:	2		
28 MAY	2	1.5						6 JUN	3	7.0	23:	5	24:	12	68: 1	
28 MAY	3	6.0	24:	26				7 JUN	3	6.5	24:	35				
29 MAY	3	6.0	24:	10				7 JUN	3	6.0	24:	2	39:	1		
29 MAY	3	6.0	24:	2	39:	1		7 JUN	3	3.5	11:	1	24:	6		
29 MAY	3	6.0	8:	2	23:	2	24:	3	7 JUN	3	3.0	24:	36			
29 MAY	3	7.0	23:	1	24:	32	68:	1	8 JUN	3	3.0	24:	1			
29 MAY	3	6.5	22:	1	24:	55		8 JUN	3	2.0	11:	1	24:	1	25: 1	
29 MAY	3	7.0	8:	3	13:	2	22:	1	8 JUN	3	7.0	8:	4	13:	1	23: 9
			24:	28							24:	11				
29 MAY	3	5.5	24:	3				8 JUN	3	7.5	6:	1	23:	6	24: 18	
29 MAY	3	4.0	24:	35							68:	2				
30 MAY	3	6.0	6:	1	24:	28	68:	3	9 JUN	3	7.5	23:	5	24:	26	68: 3
30 MAY	3	6.0	6:	1	23:	1	24:	16	9 JUN	3	6.0	22:	1	24:	30	
30 MAY	3	6.0	6:	1	24:	20		9 JUN	3	6.0	24:	17				
31 MAY	3	6.0	22:	1	24:	15		9 JUN	3	6.0	6:	1	11:	2	23: 1	
31 MAY	3	1.0	24:	1							24:	4				
1 JUN	3	6.0	11:	1	24:	17		10 JUN	3	6.0	24:	2				
1 JUN	3	6.0	11:	1	24:	4		10 JUN	3	6.0	24:	11				
2 JUN	3	6.0	24:	12	39:	1		10 JUN	3	7.0	6:	2	11:	1	13: 2	
2 JUN	3	6.0	6:	2	24:	10	39:	1			22:	2	23:	11	24: 5	
2 JUN	3	6.0	13:	2	24:	29		10 JUN	3	7.5	22:	1	24:	14	68: 1	
3 JUN	3	6.0	23:	1	24:	30		10 JUN	3	7.0	24:	48				
3 JUN	3	6.5	24:	19				10 JUN	3	5.0	6:	4	23:	3	24: 1	
3 JUN	3	6.0	24:	18							68:	1				
3 JUN	3	3.0	21:	1	24:	5		11 JUN	3	7.0	13:	1	23:	12	24: 27	
4 JUN	3	3.0	11:	1	24:	20		11 JUN	3	5.0	24:	9	68:	1		
4 JUN	3	8.0	23:	5				11 JUN	3	4.0	24:	1				
4 JUN	3	5.0	24:	2				11 JUN	3	7.5	24:	22				
4 JUN	3	3.0	24:	12				11 JUN	3	6.0	6:	3	24:	27		
4 JUN	3	5.0	6:	2	23:	6	24:	6	11 JUN	3	6.0	24:	67			
4 JUN	3	7.0	13:	2	23:	11	24:	32	11 JUN	3	6.0	11:	1	24:	25	
4 JUN	3	6.5	8:	2	23:	3	24:	53	11 JUN	3	4.0	24:	5	68:	1	
4 JUN	3	6.0	6:	2	8:	4	11:	1	12 JUN	3	6.0	24:	7			
			23:	7	24:	1	25:	1	12 JUN	3	6.0	11:	2	22:	1	24: 8
5 JUN	3	7.5	24:110					12 JUN	3	6.0	11:	1	24:	47		
5 JUN	3	6.5	6:	1	8:	2	23:	5	12 JUN	3	7.0	8:	3	22:	1	24: 47

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	FISHED	HOURS					DATE	ZONE	FISHED	HOURS						
			— CATCH PER SPECIES —								— CATCH PER SPECIES —						
12 JUN	3	7.5	11:	1	23:	5	24:	44	18 JUN	3	7.0+	23:	9	24:	23		
			68:	6					18 JUN	3	7.0	24:	22	38:	1		
12 JUN	1	1.0							18 JUN	3	6.0	11:	1	24:	2		
12 JUN	3	7.0	8:	4	22:	1	24:	33	18 JUN	3	7.0	13:	2	24:	17		
12 JUN	3	5.5	6:	1	24:	58	68:	1	19 JUN	3	6.5	24:	33				
13 JUN	3	6.0	24:	29					19 JUN	3	7.0	24:	12	39:	1		
13 JUN	3	5.5	6:	4	23:	4	24:	3	19 JUN	3	6.5	6:	3	8:	5		
			68:	1							68:	7	24:	8	79:	3	
13 JUN	3	8.0	23:	12	24:	50	55:	1			80:	1	118:	1			
			68:	6					19 JUN	3	6.0	24:	30				
13 JUN	3	6.0	24:	12					19 JUN	3	6.0	22:	1	24:	8		
13 JUN	3	2.0	24:	4					19 JUN	3	6.0	11:	2	22:	1	24:	14
13 JUN	3	6.0	22:	2	24:	4					55:	1					
14 JUN	3	2.0	8:	2	24:	16			19 JUN	3	8.0	6:	5	23:	5	24:	4
14 JUN	3	6.0	24:	35					20 JUN	3	6.0	24:	6				
14 JUN	3	5.0	22:	1	23:	3	24:	29	20 JUN	3	6.0	11:	3	24:	11	39:	1
			68:	2					20 JUN	3	6.0	24:	8				
14 JUN	3	7.0	24:	37					20 JUN	3	7.0	6:	1	24:	26	68:	1
14 JUN	3	4.0	24:	7					21 JUN	3	6.5	8:	2	23:	16	55:	1
15 JUN	3	6.0	24:	47							68:	1					
15 JUN	3	7.0	24:	28					21 JUN	3	3.0	8:	4	11:	1	13:	1
15 JUN	3	7.5	11:	1	22:	1	23:	5			23:	3	24:	16	68:	2	
			24:	43					21 JUN	3	7.0	6:	4	23:	4	24:	17
15 JUN	3	6.0	24:	42					21 JUN	3	6.0	24:	25				
15 JUN	3	6.0	24:	70					21 JUN	3	6.0	24:	25				
15 JUN	3	6.0	24:	19					22 JUN	3	4.0	24:	14				
16 JUN	3	6.0	24:	2					22 JUN	3	3.0	11:	3				
16 JUN	3	6.0	11:	2	24:	21			22 JUN	3	7.0	24:	6				
16 JUN	3	7.0	24:	2					23 JUN	3	7.0	22:	1	23:	7	24:	12
16 JUN	3	4.0	24:	12							68:	4					
17 JUN	3	7.0	8:	2	24:	32			23 JUN	3	7.0	24:	17				
17 JUN	3	6.0	24:	7					23 JUN	3	6.0	11:	1	24:	30		
17 JUN	3	6.0	24:	39					23 JUN	3	2.0	24:	35				
17 JUN	3	7.0	6:	2	8:	3	23:	5	24 JUN	2	2.0	3:	3	8:	1		
			24:	32	25:	1			24 JUN	3	3.0	7:	1	11:	1	24:	1
17 JUN	3	7.0	24:	27					24 JUN	3	6.5	11:	1	24:	4	59:	1
17 JUN	3	3.0	11:	1	24:	5			24 JUN	3	7.0	22:	1	24:	5		
17 JUN	3	6.0	24:	38					24 JUN	3	3.0	1:	1	6:	2	23:	4
17 JUN	3	6.0	24:	28	39:	1					24:	9					
17 JUN	3	6.0	24:	20	39:	2			24 JUN	3	6.0	6:	4	11:	1	23:	3
18 JUN	3	6.0	24:	6							24:	31					
18 JUN	3	8.0	23:	2	24:	21	39:	1	24 JUN	3	8.0	13:	1	23:	14	24:	4
18 JUN	3	6.0	24:	4							59:	1	68:	3			
18 JUN	3	2.0	22:	1	24:	3			25 JUN	3	8.0	6:	1	13:	5	23:	8
18 JUN	3	6.0	24:	9	55:	1					68:	4					
18 JUN	3	7.0	24:	23					25 JUN	3	7.0	13:	2	23:	2	24:	28
18 JUN	3	7.0	6:	3	8:	4	11:	1	25 JUN	3	7.0	24:	4				

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED				HOURS FISHED			
		— CATCH PER SPECIES —				— CATCH PER SPECIES —			
25 JUN	3	6.0	8: 2			3 JUL	3	3.0	11: 1
25 JUN	3	3.0	24: 6			3 JUL	3	6.0	24: 8
25 JUN	3	3.0	21: 2	24: 18		3 JUL	3	6.0	24: 5
25 JUN	3	6.0	24: 5			3 JUL	3	2.5	11: 3 24: 4
26 JUN	3	6.0	24: 7	39: 1		3 JUL	3	6.0	24: 3
26 JUN	3	3.0	11: 8			4 JUL	3	6.0	11: 1 24: 2 39: 1
26 JUN	3	7.0	22: 1	24: 5		4 JUL	3	6.0	8: 1 11: 1 24: 4
26 JUN	3	6.5	8: 3	24: 14					39: 1
26 JUN	3	7.0	13: 2	23: 2	24: 23	4 JUL	3	6.0	22: 1 24: 14 39: 2
26 JUN	3	5.5	6: 7	23: 3	24: 48	4 JUL	3	6.0	24: 48
27 JUN	3	5.0	6: 4	22: 1	23: 7	4 JUL	3	7.0	24: 7
			24: 1			4 JUL	3	6.0	24: 29
27 JUN	3	6.0	8: 5	11: 1	13: 1	5 JUL	3	6.0	22: 1 24: 40
			23: 5	24: 7		6 JUL	3	6.0	22: 4 24: 25
27 JUN	3	3.0	24: 6			6 JUL	3	6.0	11: 1 22: 1 24: 8
27 JUN	3	6.0	11: 2	24: 9		6 JUL	3	6.0	11: 1 24: 1
28 JUN	3	3.0	24: 30			6 JUL	3	6.0	13: 1 24: 16
29 JUN	3	2.5	11: 1	24: 11	25: 1	7 JUL	3	6.0	24: 9
29 JUN	3	8.0	13: 1	23: 7	24: 15	7 JUL	3	6.0	24: 1 39: 1 68: 10
			59: 1	68: 5		7 JUL	3	6.5	24: 1
29 JUN	3	6.0	22: 2	24: 20		8 JUL	3	2.0	11: 1 24: 6
30 JUN	3	6.0	24: 27			8 JUL	3	3.0	22: 1 24: 4
30 JUN	3	5.0	8: 1	11: 2	24: 8	8 JUL	3	7.0	22: 1 24: 18
30 JUN	3	6.0	24: 12			8 JUL	3	2.0	6: 2 23: 1
30 JUN	3	7.0	22: 1	24: 27		8 JUL	3	8.0	23: 16 68: 5
1 JUL	3	5.5	6: 2	23: 3		9 JUL	3	7.0	35: 1 52: 1 91: 1
1 JUL	3	3.0	11: 2	24: 5					112: 1
1 JUL	3	6.0	24: 34			9 JUL	3	7.0	13: 2 24: 3
1 JUL	3	3.0	39: 1			9 JUL	3	5.0	6: 2 24: 2
2 JUL	3	8.0	13: 2	23: 2	68: 4	9 JUL	3	7.0	24: 22 68: 2
2 JUL	6	3.0	11: 2	24: 4		9 JUL	3	6.5	6: 5 11: 1 13: 1
2 JUL	3	6.0	24: 23						23: 1 24: 2
2 JUL	3	6.0	11: 1	22: 1	24: 11	9 JUL	3	6.0	6: 2 35: 1 39: 1
			39: 1			9 JUL	3	6.0	11: 1 24: 9
2 JUL	3	7.0	11: 1	22: 1	23: 1	10 JUL	3	3.0	
			24: 7			10 JUL	3	6.0	24: 10 55: 1
2 JUL	3	6.0	6: 2	23: 3	24: 5	10 JUL	3	3.5	6: 4 23: 1
2 JUL	3	3.5	6: 1	13: 1	23: 1	10 JUL	3	2.0	6: 6 23: 1
			24: 1			10 JUL	3	7.0	13: 1 24: 2
2 JUL	3	7.5	24: 2			10 JUL	3	7.0	35: 2
2 JUL	3	4.0	1: 1	6: 3	24: 25	11 JUL	3	8.0	11: 1 24: 7
			25: 1			11 JUL	3	6.0	11: 1 24: 3 38: 1
3 JUL	3	6.0	11: 3	22: 1		11 JUL	3	2.5	22: 1 24: 3
3 JUL	3	7.0	6: 3	11: 1	24: 1	11 JUL	3	6.0	24: 3 38: 1
3 JUL	3	7.0	24: 14			12 JUL	3	6.0	6: 1 11: 1 22: 1
3 JUL	3	7.0	13: 1	23: 3	24: 7				39: 1
3 JUL	3	5.0	6: 1	11: 1	24: 21	12 JUL	3	6.0	8: 3 24: 4 55: 1

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			6: 4	11: 4	24: 3	3	23 JUL	3				22: 2	33: 1	5: 2	10: 1	1: 1	6: 20	11: 2
12 JUL	3	6.0	6: 4	11: 4	24: 3	3	23 JUL	3	3.0	22: 2	33: 1							
13 JUL	3	6.0	11: 1	24: 8			23 JUL	3	6.0	5: 2	10: 1							
13 JUL	3	8.0	23: 7	24: 14	59: 1	68: 5	23 JUL	3	6.0	1: 1	6: 20	11: 2						
14 JUL	3	6.0	11: 1	24: 5			23 JUL	3	3.0	11: 1	23: 4							
14 JUL	3	6.0	21: 1	24: 3			23 JUL	3	7.0	23: 8	24: 3							
15 JUL	3	2.5	6: 3	11: 1			23 JUL	3	6.0	11: 2	23: 1							
15 JUL	3	2.0	6: 6	24: 2			24 JUL	3	7.0	11: 1	22: 1	23: 3						
15 JUL	3	6.0	6: 7	11: 4	24: 5					24: 9	68: 2							
15 JUL	3	8.0	6: 1	24: 7	68: 2		24 JUL	3	8.0	11: 1								
16 JUL	3	5.0	6: 2	11: 1	24: 2		24 JUL	3	2.0	6: 15	25: 1							
16 JUL	3	6.0	6: 6	21: 1	24: 6	39: 1	24 JUL	3	7.0	24: 1								
16 JUL	3	2.5	5: 2	11: 2	24: 1		24 JUL	2	1.5	11: 1	24: 3							
16 JUL	3	7.0	8: 2	22: 1	24: 6		24 JUL	3	6.0	24: 10								
16 JUL	3	2.5	6: 1	23: 1	24: 3		24 JUL	3	6.0	11: 1	22: 1	24: 5						
16 JUL	3	7.5	6: 1	24: 4			24 JUL	3	7.0									
16 JUL	3	3.0	22: 1	68: 1			25 JUL	3	6.0	6: 3	22: 1	24: 2						
16 JUL	3	6.0	22: 3	24: 10			25 JUL	3	6.0	1: 2	6: 6	11: 2						
17 JUL	6	3.0	6: 4	25: 1					22: 1	24: 2								
17 JUL	3	6.0	22: 1	24: 5			25 JUL	3	7.0	11: 2	23: 13							
17 JUL	3	6.0	6: 2	11: 1	22: 1	24: 16	25 JUL	2	1.0	7: 1	11: 3	25: 2						
17 JUL	3	6.0	1: 1	6: 5	11: 1	24: 6	25 JUL	3	3.0	23: 3								
17 JUL	3	6.0	24: 1	39: 1			26 JUL	3	3.0	6: 1	11: 3	24: 1						
17 JUL	3	6.0	24: 1				26 JUL	3	6.0	11: 2	24: 5							
18 JUL	3	6.0	6: 6	24: 12			27 JUL	3	7.0	11: 1	24: 2							
19 JUL	3	6.0	6: 15	11: 3	24: 5		27 JUL	3	3.0	24: 3	38: 1							
19 JUL	3	7.0	24: 27				27 JUL	3	6.0	6: 19	11: 9	39: 1						
20 JUL	3	3.0	6: 5	11: 2	24: 1		27 JUL	2	1.0	7: 3	11: 4	13: 2						
20 JUL	3	6.0	24: 22				27 JUL	3	6.0	24: 8								
21 JUL	3	6.0	11: 1	22: 1	24: 16	36: 1	28 JUL	1	1.0	11: 2	19: 1	74: 1						
21 JUL	3	7.0	68: 1				28 JUL	3	6.0	24: 10								
21 JUL	3	3.0	1: 1	6: 4	24: 2		28 JUL	3	6.0	1: 2	6: 5	11: 6						
21 JUL	3	2.0	6: 6						19: 1									
21 JUL	3	7.0	24: 1				28 JUL	3	6.0	6: 1	24: 3							
21 JUL	3	5.5	6: 2	11: 1	24: 7	25: 1	28 JUL	3	6.0	24: 2								
22 JUL	3	7.0					29 JUL	3	6.0	24: 1								
22 JUL	3	5.0	6: 5	11: 2	22: 2	24: 7	29 JUL	3	6.0	11: 2	24: 1							
22 JUL	3	7.0					30 JUL	3	2.0	6: 10	11: 4							
22 JUL	3	2.5	6: 2	11: 2	24: 1		30 JUL	2	3.0	1: 1	11: 15	23: 1						
23 JUL	3	6.0	24: 14	36: 1					60: 1									
23 JUL	3	6.0	24: 4	39: 1			30 JUL	3	5.5	22: 1	24: 2							

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED							HOURS FISHED						
		— CATCH PER SPECIES —						— CATCH PER SPECIES —							
30 JUL	3	2.0	6:	3	11:	1	23:	7	8 AUG	3	6.0+	39:	1	68:	1
30 JUL	3	7.0	24:	36					8 AUG	3	5.0	6:	2	23:	1
30 JUL	3	2.0	26:	14	76:	4			8 AUG	3	7.0	6:	2	24:	13
30 JUL	3	6.0	11:	5	24:	1			8 AUG	3	5.0	6:	4		
31 JUL	3	6.0	24:	2					9 AUG	3	2.5	6:	4	11:	1
31 JUL	3	4.0	6:	1								23:	4	24:	2
31 JUL	3	7.5	23:	12	24:	5			9 AUG	3	6.5	11:	2	24:	6
31 JUL	2	3.0	6:	1	11:	7			9 AUG	3	6.0	22:	2	24:	10
31 JUL	3	6.0	11:	3	24:	4			9 AUG	1	1.5	11:	4	26:	2
1 AUG	3	6.0	24:	12					9 AUG	3	7.0	23:	1		
1 AUG	3	6.0	6:	1	11:	8	22:	1	9 AUG	3	6.0	11:	2	24:	18
			24:	5	39:	1			10 AUG	3	6.0	11:	4	22:	2
									10 AUG	3	6.0	22:	2	24:	12
1 AUG	3	2.0	68:	1								7:	1	11:	1
2 AUG	3	6.0	22:	1	24:	5			10 AUG	3	7.5	7:	1	11:	1
2 AUG	6	7.0	11:	2	26:	2			11 AUG	3	8.0	11:	1	68:	2
2 AUG	3	7.5	11:	1	23:	13	24:	24	11 AUG	3	7.0	22:	1	24:	6
3 AUG	3	2.5	11:	5	24:	4			11 AUG	3	6.0	22:	1	23:	1
3 AUG	3	6.0	24:	13	59:	2			11 AUG	3	6.0	24:	8	55:	1
3 AUG	3	6.0	11:	7	12:	1	24:	16	11 AUG	3	6.0	11:	2	22:	1
4 AUG	3	6.0	11:	11	22:	1	24:	17	11 AUG	3	6.0	11:	3	24:	2
4 AUG	3	6.0	11:	3	22:	1	24:	3	12 AUG	3	6.0	11:	4	22:	1
4 AUG	3	3.0	1:	2	6:	2	11:	1				36:	1		
			24:	4	68:	2			12 AUG	6	3.0	11:	9	24:	3
									12 AUG	3	3.0	11:	4		
4 AUG	3	5.0	11:	4	24:	6	39:	2	12 AUG	3	4.0	6:	8	11:	2
5 AUG	3	6.0	22:	1	24:	5	39:	1	12 AUG	3	4.0	1:	3	6:	13
5 AUG	3	5.5	1:	4	6:	3	13:	1	12 AUG	3	4.0	1:	5	6:	3
			23:	3	24:	2			13 AUG	3	5.0	11:	3	24:	3
5 AUG	3	6.5	6:	4	11:	2	23:	16	13 AUG	3	4.0	6:	10	23:	3
			24:	7	68:	1			13 AUG	3	7.0	24:	11		
5 AUG	3	6.0	24:	4	39:	1			13 AUG	3	1.5	11:	1	22:	1
5 AUG	3	6.0	11:	1	22:	1	24:	4	13 AUG	3	6.0	11:	1	24:	2
			39:	1					13 AUG	3	6.0	11:	3	24:	30
6 AUG	6	2.0	11:	10	19:	1	24:	1	14 AUG	3	6.0	6:	1	11:	1
6 AUG	3	3.0	11:	4	60:	1	67:	1				24:	2		
6 AUG	3	6.0	8:	2	11:	3	22:	1	14 AUG	3	3.0	6:	6		
			24:	6					14 AUG	3	3.0	6:	2	11:	1
6 AUG	3	6.5	6:	1	11:	1	23:	12				24:	3		
			24:	4	68:	1			14 AUG	3	6.0	8:	3	11:	2
6 AUG	3	6.5	24:	2								24:	8		
7 AUG	3	7.0	22:	1	24:	9			14 AUG	3	6.0	11:	1		
7 AUG	3	6.0	11:	2	24:	15	68:	1	15 AUG	3	3.0	22:	1	39:	2
7 AUG	3	2.0	11:	2	24:	20			15 AUG	3	3.0	11:	3	22:	1
7 AUG	3	6.0	6:	1	11:	2	22:	1	16 AUG	3	6.0	11:	3	24:	5
			24:	2					16 AUG	3	2.5	11:	5	22:	1
8 AUG	3	6.0	24:	1					16 AUG	3	6.0	24:	15		
8 AUG	3	6.0	11:	7	24:	2	55:	1	16 AUG	3	8.0	24:	19	68:	4
8 AUG	3	6.0	11:	1	22:	1	24:	17	17 AUG	3	6.0	11:	25	22:	1
												24:	6		

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --						DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
17 AUG	3	2.0	11:	4	24:	4			27 AUG	3	2.5+	68:	1				
17 AUG	3	6.0	11:	2	23:	3	24:	7	27 AUG	3	7.0	6:	1	23:	3	24:	14
18 AUG	3	6.0	8:	1	24:	8	55:	1				68:	1				
18 AUG	3	3.0	11:	1	22:	1			28 AUG	3	6.0	24:	4				
18 AUG	3	6.0	24:	8					28 AUG	2	1.0	11:	5	26:	1		
19 AUG	3	3.0	11:	4	24:	2			28 AUG	3	6.0	24:	1				
19 AUG	3	5.0	11:	16					29 AUG	2	3.0	11:	11				
19 AUG	2	2.5	3:	1	11:	11			29 AUG	3	6.5	11:	1	24:	1		
19 AUG	3	6.0	22:	1	24:	12			30 AUG	3	6.0	6:	4	23:	4	24:	4
19 AUG	3	2.5	11:	1	22:	1						29:	1				
19 AUG	3	6.0	6:	7	11:	1	23:	3	30 AUG	3	6.0	11:	4	24:	7		
			24:	10					31 AUG	2	2.5	11:	10				
20 AUG	3	5.0	6:	3	11:	1	22:	1	31 AUG	3	4.0	6:	4	23:	3	24:	7
			24:	3					1 SEP	3	6.5	8:	5	11:	1	22:	1
20 AUG	3	7.0	11:	2	24:	9						23:	3	24:	7		
20 AUG	3	6.5	1:	3	6:	1	22:	1	1 SEP	3	4.0	24:	1				
			23:	2	24:	7			1 SEP	3	6.0	24:	5				
20 AUG	3	2.0	11:	4					2 SEP	3	6.0	24:	3	39:	1		
20 AUG	3	6.0	8:	1	24:	17	39:	1	2 SEP	2	3.0	11:	10				
20 AUG	3	5.0	24:	17					2 SEP	2	2.5	11:	5	24:	1		
20 AUG	3	4.5	11:	1	24:	1			2 SEP	3	6.0	6:	1	12:	4	24:	3
20 AUG	3	3.0	11:	1	24:	5			2 SEP	3	2.0	7:	1	11:	1	26:	1
21 AUG	3	3.0	11:	1	24:	5						41:	2	76:	2		
21 AUG	3	6.0	11:	3	24:	2	59:	2	3 SEP	3	6.0	11:	2	22:	1	24:	9
22 AUG	3	6.0	11:	6	22:	1	24:	6	3 SEP	3	7.0	6:	7	24:	12		
22 AUG	2	3.0	11:	10					3 SEP	3	5.0	6:	9	24:	1		
23 AUG	2	3.0	11:	12	26:	3			3 SEP	3	5.0	6:	13	24:	1		
23 AUG	3	6.0							3 SEP	6	4.0	11:	8	24:	2		
23 AUG	3	2.0	11:	2	22:	1	24:	4	3 SEP	3	8.0	23:	9	24:	3	68:	3
			25:	4					4 SEP	6	2.0	11:	10	26:	3	60:	1
24 AUG	3	7.0	11:	1	24:	11	59:	1	4 SEP	3	6.0	11:	1	24:	7		
24 AUG	3	6.0	24:	12					4 SEP	3	6.0	6:	4	22:	3	24:	69
24 AUG	2	5.0	11:	6	26:	2			4 SEP	3	6.0	22:	2	24:	8		
25 AUG	6	6.0	11:	4	24:	5			5 SEP	3	6.0	6:	2	11:	1	24:	4
25 AUG	3	4.0	6:	6	23:	18	24:	2				55:	1				
26 AUG	1	2.5	6:	1	11:	8			5 SEP	3	6.0	6:	1	22:	1	24:	7
26 AUG	3	2.0	11:	4	24:	2			5 SEP	3	2.0	24:	11	68:	1		
26 AUG	2	3.0	11:	6	26:	1			5 SEP	3	6.0	11:	2	24:	8		
26 AUG	3	6.0	21:	1	24:	6			5 SEP	2	4.0	11:	8	67:	1		
27 AUG	3	6.0	24:	12					6 SEP	3	6.0	24:	6				
27 AUG	3	6.0	24:	7					6 SEP	3	6.0	11:	1	24:	8	55:	1
27 AUG	3	4.0	24:	6					6 SEP	3	6.0	6:	3	11:	1	24:	7
27 AUG	3	3.0							7 SEP	3	5.0	6:	7	23:	30	24:	9
27 AUG	3	6.0	11:	5	24:	7			7 SEP	3	6.0	11:	5	24:	3		
27 AUG	3	6.0	6:	2	8:	1	11:	1	8 SEP	3	3.0	11:	4	26:	2		
			23:	1	24:	8			8 SEP	6	4.0	11:	6	12:	1		
27 AUG	3	2.5	8:	2	11:	2	23:	6	8 SEP	3	6.0	6:	3	11:	1	24:	6

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			11:	2	24:	1	75:	1				11:	2	24:	3	26:	1	26:
8 SEP	3	6.0	11:	2	24:	1	75:	1	26 SEP	3	6.0	11:	2					
9 SEP	1	2.0	11:	6					26 SEP	3	7.0							
9 SEP	3	5.0	6:	2	23:	16	24:	29	26 SEP	6	6.0	11:	5	19:	1	26:	2	
9 SEP	6	3.0	1:	1	11:	8	24:	5				39:	1					
9 SEP	3	6.0	11:	3	22:	1	24:	6	27 SEP	3	6.0	11:	4	24:	3			
10 SEP	3	6.0	11:	5	24:	4	26:	5	28 SEP	3	6.0	22:	1	24:	4	39:	1	
10 SEP	3	6.0	24:	9					28 SEP	6	6.0	11:	6	22:	1	25:	1	
10 SEP	6	6.0	22:	2	23:	1	24:	6	28 SEP	3	5.5	11:	6	17:	1	39:	4	
10 SEP	3	5.0	11:	2	22:	1	24:	19	29 SEP	3	6.0	39:	1					
			39:	1					29 SEP	6	6.0	11:	2	24:	3	26:	2	
11 SEP	3	5.0	24:	31	29:	1			30 SEP	6	3.0	8:	2	11:	6	26:	3	
11 SEP	3	2.0	11:	2	24:	6			30 SEP	6	3.0	11:	10	25:	1	26:	1	
11 SEP	6	3.0	11:	5	26:	3						60:	1					
12 SEP	3	6.0	24:	15					30 SEP	1	2.0	11:	5					
12 SEP	3	6.0	6:	2	11:	3	24:	4	30 SEP	2	2.5	1:	1	3:	3	11:	10	
13 SEP	3	2.0	22:	1	24:	13						26:	6	60:	2			
13 SEP	3	6.0	8:	8	11:	3	24:	12	1 OCT	3	2.0	23:	12					
			39:	1					1 OCT	6	6.0	11:	6	24:	11	25:	1	
14 SEP	3	6.0	11:	6	24:	10						26:	3	36:	1	60:	1	
14 SEP	3	6.0	11:	1	22:	2	24:	9	1 OCT	6	3.0	11:	5	24:	4			
14 SEP	3	7.0	6:	2	11:	1	24:	12	2 OCT	6	3.0	11:	5	24:	8	26:	3	
14 SEP	3	6.0	6:	8	24:	48			2 OCT	3	4.0	39:	1					
15 SEP	3	6.0	24:	30					2 OCT	3	6.0	11:	1	24:	12			
16 SEP	3	5.0	22:	1					3 OCT	3	6.0	11:	1	24:	2			
16 SEP	3	6.0	11:	1	22:	1	24:	11	3 OCT	3	6.0	24:	25					
17 SEP	1	1.5	11:	3					4 OCT	6	6.0	11:	6	26:	4			
17 SEP	3	6.0	11:	3	24:	11			4 OCT	3	6.0	1:	1	11:	1	22:	1	
17 SEP	3	2.0	3:	1	6:	1	23:	1				24:	27					
17 SEP	3	6.0	11:	5	24:	5			5 OCT	3	6.0	24:	30					
18 SEP	3	6.0	8:	3	11:	3	39:	1	5 OCT	3	6.0	24:	6					
18 SEP	3	3.0	11:	3	22:	1	24:	2	6 OCT	3	6.0	11:	2	24:	15			
18 SEP	3	2.0	11:	4	22:	1	24:	6	7 OCT	6	6.0	11:	6	17:	2	24:	1	
19 SEP	3	2.0	11:	1	24:	4						26:	5					
19 SEP	3	6.0	11:	2	24:	12			7 OCT	2	2.0	1:	1	11:	6	19:	2	
20 SEP	3	6.0	24:	10								26:	10					
21 SEP	6	3.0	8:	2	11:	6	26:	3	7 OCT	3	7.0	1:	1	23:	6	24:	32	
22 SEP	6	6.0	8:	2	11:	2	24:	4	7 OCT	3	3.0	8:	2	23:	4	24:	3	
			26:	2					7 OCT	4	0.5	11:	2					
23 SEP	3	6.0	24:	15					8 OCT	3	5.5	6:	1	23:	26			
23 SEP	3	6.0	6:	6	11:	2	23:	1	8 OCT	3	6.0	11:	2	24:	32			
			24:	6					8 OCT	3	6.0	11:	4	39:	1			
23 SEP	3	6.5	6:	4	11:	1	23:	6	9 OCT	3	6.5	24:	21					
			24:	33					9 OCT	3	6.0	11:	6	23:	1	24:	9	
24 SEP	3	7.0	6:	5	23:	15	24:	12	9 OCT	2	2.0	1:	2	11:	6	12:	2	
24 SEP	6	3.0	8:	6	11:	5						19:	2					
25 SEP	6	3.0	11:	6	26:	4			10 OCT	3	6.0	9:	4	11:	1	21:	1	
25 SEP	3	2.0	22:	1	24:	5						24:	18					

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			23:	11	24:	6	36:	1				20 OCT	6	3.0	6:	1	11:	5
10 OCT	3	5.5	23:	11	24:	6	36:	1	19 OCT	6	3.0	6:	1	11:	5	26:	5	
			68:	2					20 OCT	6	3.0	11:	5	19:	1	26:	3	
10 OCT	6	3.0	11:	6	26:	5	60:	1				60:	1					
10 OCT	6	3.0	11:	8	17:	1			21 OCT	6	6.0	1:	1	11:	4	19:	2	
11 OCT	3	6.0										26:	3					
11 OCT	3	8.0	24:	3					21 OCT	3	6.0							
11 OCT	6	3.0	11:	4	26:	2			21 OCT	3	8.0							
11 OCT	3	4.0	8:	2	23:	12	24:	29	21 OCT	2	2.0	1:	1	11:	2	19:	2	
11 OCT	3	6.0	11:	2	22:	1	24:	20				26:	8					
			39:	1					21 OCT	3	6.5	38:	1					
12 OCT	3	2.0	11:	4	24:	5			21 OCT	3	7.0	23:	2	24:	2	39:	1	
12 OCT	3	3.0	11:	1	24:	12					68:	8						
12 OCT	2	8.0	19:	5	54:	4	60:	1	21 OCT	3	7.0	6:	3	13:	2	23:	6	
12 OCT	3	6.0	24:	12							24:	18						
13 OCT	6	6.0	1:	1	6:	1	11:	5	22 OCT	3	6.0	1:	2	8:	1	24:	1	
			17:	1					22 OCT	3	6.0	23:	6	24:	1	39:	1	
13 OCT	6	6.0	1:	1	11:	4	19:	1	22 OCT	3	8.0							
			23:	1	26:	1			22 OCT	3	7.0	1:	21	13:	1	18:	1	
14 OCT	6	6.0	1:	1	6:	1	11:	3			23:	1	60:	7				
			19:	1	60:	1			22 OCT	3	6.5							
14 OCT	3	6.0	9:	2	11:	1	24:	7	22 OCT	3	6.0	24:	1					
14 OCT	3	4.0							22 OCT	3	6.0	60:	6					
15 OCT	3	7.0	22:	1	23:	8	24:	7	23 OCT	6	3.0	11:	5	19:	1	26:	3	
15 OCT	3	5.0	23:	14							60:	1						
15 OCT	1	2.0	11:	12	17:	2	26:	9	23 OCT	3	6.0							
			60:	1					23 OCT	3	6.0	39:	2					
15 OCT	3	3.0	11:	3	24:	2			24 OCT	3	6.0							
15 OCT	3	6.0	1:	9	11:	1			24 OCT	6	6.0	11:	6	23:	1	39:	1	
16 OCT	6	3.0	11:	5	19:	1	26:	2	25 OCT	6	6.0	6:	1	11:	5	19:	1	
16 OCT	6	6.0	11:	3	18:	1	19:	1			26:	5	60:	1				
			22:	1	24:	4			25 OCT	3	6.0	22:	2	23:	1			
16 OCT	1	2.0	11:	6	12:	1	26:	3	25 OCT	3	6.0	1:	2	19:	1	25:	3	
16 OCT	3	6.0	24:	18							26:	2	60:	1				
17 OCT	3	5.0	1:	2	6:	1	8:	2	26 OCT	3	6.0	1:	5	19:	2	25:	1	
			23:	6	68:	2					26:	5	60:	1	67:	1		
17 OCT	3	6.0	24:	1					26 OCT	3	5.0	11:	2	12:	1	17:	1	
17 OCT	6	6.0	1:	1	11:	6	26:	3			22:	1	24:	2				
			60:	1					26 OCT	3	6.0	8:	1	22:	1	23:	1	
18 OCT	6	3.0	11:	4	24:	1	26:	4	26 OCT	6	6.0	1:	2	11:	6	23:	1	
18 OCT	3	6.0	24:	1							26:	4						
18 OCT	3	8.0							27 OCT	6	6.0	6:	1	11:	3	26:	3	
18 OCT	3	6.5									39:	1	60:	1				
18 OCT	2	2.5	11:	14	60:	1			28 OCT	6	3.0	1:	1	11:	1	23:	1	
19 OCT	3	8.0	22:	3	24:	38	59:	1	28 OCT	1	2.0	1:	1	11:	7	17:	1	
19 OCT	3	6.5							28 OCT	6	3.0	1:	2	11:	2	19:	1	
19 OCT	3	8.0									26:	1	60:	1				
19 OCT	3	6.0	11:	1					29 OCT	3	4.0	13:	1	22:	3			

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			1:	11:	25:	1:	4:	11:				1:	2:	11:	3:	24:	1:	
29 OCT	2	3.0	1:	1	11:	4	25:	1	7 NOV	3	6.0	1:	4	11:	6	22:	1	
29 OCT	3	7.0	13:	1	23:	9	24:	4	7 NOV	3	6.0	1:	2	11:	3	24:	1	
29 OCT	6	6.0	11:	1	22:	1	23:	5	8 NOV	1	2.0	11:	4	19:	1			
30 OCT	6	3.0	11:	4	19:	1	25:	1	8 NOV	3	7.0	24:	2					
			26:	4					9 NOV	3	7.0							
30 OCT	3	6.0	23:	1	25:	1	26:	4	9 NOV	3	7.0	6:	3	39:	1			
			60:	2	74:	1			9 NOV	3	6.0	1:	3	11:	4	22:	1	
30 OCT	3	6.0	1:	4	3:	2	8:	4				24:	3	25:	1	67:	1	
			11:	6	19:	2					75:	1						
31 OCT	2	2.0	1:	2	11:	10	14:	1	9 NOV	3	6.0	1:	1	11:	6	23:	2	
			18:	4	19:	2	25:	4			39:	1						
31 OCT	6	6.0	1:	1	11:	6	25:	1	9 NOV	3	6.0	39:	1					
			26:	5	39:	1			9 NOV	3	7.0	39:	3					
31 OCT	3	6.0	11:	5	23:	1	39:	1	10 NOV	3	6.0	39:	1					
1 NOV	6	3.0	11:	4	19:	4	26:	4	10 NOV	3	7.0							
1 NOV	3	6.0	11:	2	22:	1	23:	1	10 NOV	3	6.0	6:	2	11:	6	22:	1	
			39:	1					10 NOV	3	7.0	6:	2					
1 NOV	6	5.0	11:	2	25:	1	26:	5	10 NOV	3	6.0	24:	1	38:	1			
			60:	1	74:	1			10 NOV	3	7.0							
1 NOV	3	7.0	13:	1	23:	6	24:	7	11 NOV	3	7.0							
2 NOV	3	6.0	8:	1	11:	4	25:	2	11 NOV	6	4.0	11:	8	12:	1	19:	2	
2 NOV	6	6.0	11:	4	19:	1	25:	1			26:	1						
			26:	5	39:	1			11 NOV	3	5.0	1:	1	11:	4	19:	1	
3 NOV	6	3.0	6:	1	11:	5	25:	1			26:	2						
			26:	4					11 NOV	3	6.0	1:	16	6:	1	11:	4	
3 NOV	3	6.0	1:	4	8:	1	11:	7			25:	1						
3 NOV	6	6.0	1:	5	11:	3	25:	2	11 NOV	3	7.0	6:	4					
			26:	4	60:	1	74:	1	11 NOV	3	6.0	11:	6	23:	1	24:	4	
4 NOV	2	3.0	1:	1	11:	3	12:	1	11 NOV	3	7.0	24:	4					
4 NOV	3	6.0	1:	4	2:	1	11:	4	12 NOV	3	7.0	24:	1					
			19:	1	23:	2	25:	2	12 NOV	6	6.0	1:	2	11:	6	19:	2	
			39:	1							25:	4	60:	2				
4 NOV	3	6.0	39:	1					12 NOV	3	7.0	6:	1					
4 NOV	6	6.0	1:	2	6:	1	11:	6	12 NOV	3	6.0	11:	1	24:	1	75:	1	
			25:	1	26:	5			12 NOV	2	2.0	11:	6	19:	1	25:	1	
4 NOV	3	6.0	1:	1	11:	6	39:	1			26:	2						
5 NOV	6	3.0	1:	1	6:	1	11:	6	12 NOV	3	7.0							
			26:	3	39:	1			13 NOV	3	6.0	1:	1	6:	2	11:	2	
5 NOV	3	6.5	23:	11							22:	1	23:	1				
5 NOV	3	6.0	1:	12	11:	1	23:	1	13 NOV	3	3.0	22:	1					
5 NOV	3	6.0	1:	1	11:	1	39:	1	13 NOV	3	6.0	6:	4	11:	2	22:	1	
6 NOV	3	6.0	1:	8	8:	4	11:	6	13 NOV	3	7.0	1:	18	24:	1	36:	1	
			12:	4	17:	2	23:	2	14 NOV	2	2.0	3:	1	11:	6	14:	1	
6 NOV	3	7.0	23:	10							19:	4						
6 NOV	6	3.0	1:	4	11:	2	24:	1	14 NOV	3	6.0	11:	1					
7 NOV	6	3.0	1:	1	11:	5	12:	1	14 NOV	3	7.0	26:	5					
			19:	2					14 NOV	3	7.0	39:	1					

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			1:	2	6:	3	11:	5				1:	4	19:	1	23:	2	
15 NOV	3	6.0	1:	2	6:	3	11:	5	28 NOV	3	6.0	1:	4	19:	1	23:	2	
			24:	6	25:	2						24:	4	25:	1	39:	1	
16 NOV	3	6.0							28 NOV	3	7.0	22:	1	24:	3			
16 NOV	3	7.5	6:	1					29 NOV	3	5.5	11:	4	22:	1	24:	4	
16 NOV	3	7.0							29 NOV	6	3.0	1:	11	19:	1	25:	1	
17 NOV	3	7.0	39:	1					29 NOV	3	6.0	6:	1	23:	3	24:	1	
17 NOV	3	7.5	25:	1					30 NOV	3	6.0	1:	15	24:	2			
17 NOV	3	4.0	39:	1					30 NOV	6	7.0	24:	2	39:	1			
18 NOV	3	4.0	22:	2	24:	4			30 NOV	3	7.0	24:	3					
18 NOV	3	6.0	1:	1	11:	1	21:	1	30 NOV	3	7.5	24:	2	39:	1			
			24:	9	25:	2			30 NOV	3	6.0	1:	2	11:	5	17:	3	
18 NOV	3	7.5	24:	4	68:	1			30 NOV	3	2.0	22:	2					
18 NOV	3	7.0	8:	1	11:	1			30 NOV	6	3.0	1:	2					
18 NOV	2	3.0	1:	1	6:	1	11:	6	30 NOV	3	7.0							
			19:	1					1 DEC	3	7.0	24:	1					
19 NOV	6	6.0	1:	1	3:	1	11:	4	1 DEC	2	2.0	11:	1	23:	1	24:	4	
			19:	1	25:	2	26:	1	1 DEC	3	6.0	6:	1	11:	5	23:	1	
20 NOV	3	7.5	24:	4								24:	2	25:	1	39:	1	
20 NOV	3	6.0	39:	1								68:	2					
21 NOV	3	6.0	1:	1	3:	1	8:	1	1 DEC	3	7.5	1:	3	13:	1	24:	3	
			23:	8	24:	2						25:	1					
21 NOV	3	6.0	6:	1	11:	7	22:	3	1 DEC	3	7.0	24:	3					
			25:	1					1 DEC	6	7.0	11:	1					
21 NOV	3	6.0	22:	1	23:	1	24:	3	2 DEC	6	7.0	23:	1	67:	3			
			39:	1					2 DEC	3	7.0	24:	1					
22 NOV	6	7.0	1:	2	6:	2	11:	12	2 DEC	3	6.0	1:	3	24:	8			
			19:	1	26:	3	60:	1	2 DEC	3	6.0	11:	5	24:	4	25:	1	
22 NOV	3	6.0	1:	10	8:	2	23:	1				75:	1					
			25:	4					2 DEC	3	7.5	24:	4					
23 NOV	3	2.0	39:	2					2 DEC	3	5.5	1:	3	6:	1	11:	3	
25 NOV	3	3.0	1:	4	11:	1	24:	1				19:	1	24:	1			
25 NOV	3	2.0	1:	4	2:	1	6:	2	2 DEC	3	7.0	39:	1					
			11:	4					2 DEC	2	3.0	1:	2	11:	3			
25 NOV	6	6.0	11:	8	19:	1	26:	1	3 DEC	3	2.5	22:	1	24:	1			
			39:	1	60:	1			3 DEC	3	6.0	1:	1	24:	10	25:	1	
26 NOV	3	6.0	1:	7	25:	1						39:	1					
26 NOV	3	6.0	39:	2	67:	1			3 DEC	3	6.0	39:	1					
26 NOV	3	5.0	39:	1					4 DEC	3	6.0	1:	14	11:	1			
27 NOV	3	6.0	6:	1	8:	1	23:	15	4 DEC	3	7.0	39:	1					
			24:	12					4 DEC	3	6.0	1:	2	11:	5	24:	7	
27 NOV	3	6.0	1:	5	6:	5	11:	8				25:	2					
			22:	1	23:	1	24:	4	4 DEC	3	7.0	120:	3					
27 NOV	3	6.0	1:	12	22:	1	23:	2				6:	1	1	11:	9	25:	1
27 NOV	3	6.0	6:	1	23:	1	39:	1	5 DEC	3	7.0	1:	1	24:	1	39:	1	
28 NOV	3	6.0	1:	4	11:	6	13:	1	6 DEC	3	6.0	24:	17	39:	1			
			24:	2					6 DEC	3	6.0	1:	18					

APPENDIX TABLE 13 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
7 DEC	6	6.0	3:	1	11:	1	25:	1	27 DEC	3	6.0	1:	6	11:	1		
9 DEC	6	3.0	11:	4	19:	1	25:	1	27 DEC	6	6.0	1:	14	6:	2	11:	1
9 DEC	3	5.0	1:	6	6:	3						13:	2	25:	2		
10 DEC	3	7.0							28 DEC	6	6.0	1:	8	11:	4	25:	1
10 DEC	3	2.0							28 DEC	3	6.0	14:	1	18:	2	24:	1
10 DEC	6	3.0	11:	7	39:	1			28 DEC	3	8.0	6:	2				
10 DEC	3	6.0	11:	2	22:	2	23:	6	28 DEC	3	6.0	1:	10	8:	2	11:	1
			24:	2								19:	1	67:	1		
11 DEC	3	3.0	24:	6	25:	2	39:	1	29 DEC	6	6.0	1:	6	11:	6		
11 DEC	3	7.0	7:	3	24:	1	42:	25	29 DEC	3	4.0						
11 DEC	3	6.0	1:	11	11:	2	23:	2	29 DEC	3	5.0	1:	22				
11 DEC	3	7.0	1:	2	7:	2			29 DEC	6	6.0	1:	17	18:	1		
12 DEC	3	2.0							30 DEC	3	4.0	6:	6	23:	18	24:	1
13 DEC	3	6.0	24:	3	25:	2											
13 DEC	3	7.0															
13 DEC	3	6.0	11:	1	22:	4	23:	3									
			24:	1													
14 DEC	3	6.0	11:	1	22:	3	23:	4									
			24:	2													
14 DEC	3	7.0	7:	3	42:	20	50:	2									
15 DEC	3	8.0	24:	4	42:	2											
15 DEC	3	6.0	19:	1	24:	1	25:	1									
			39:	1													
16 DEC	6	6.0	1:	2	11:	1	12:	1									
			23:	4	25:	2											
16 DEC	3	2.0	1:	6	6:	4											
17 DEC	3	6.0	1:	6	11:	6	22:	4									
			23:	1	24:	2											
18 DEC	6	6.0	11:	15	23:	5	24:	1									
			26:	7													
19 DEC	6	6.0	1:	1	11:	6	22:	2									
			23:	9	24:	5	25:	1									
19 DEC	3	6.0	11:	7	22:	2	24:	3									
			25:	1	39:	2	67:	1									
20 DEC	3	6.0	1:	14	23:	18	24:	7									
21 DEC	3	6.0	1:	3	11:	9	25:	1				67:	1				
21 DEC	6	6.0	11:	20	23:	2	24:	1				25:	1				
22 DEC	6	6.0	11:	2	13:	2	24:	2									
22 DEC	3	7.0	39:	1													
23 DEC	3	4.0	23:	7													
23 DEC	3	3.0	1:	6	25:	1	39:	1									
24 DEC	3	3.0	1:	6	25:	1											
27 DEC	3	6.0	1:	8	8:	5	11:	5				19:	1	25:	3		
27 DEC	3	7.0															

APPENDIX TABLE 14. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM SOUTH FLORIDA

DATE	ZONE	FISHED	HOURS -- CATCH PER SPECIES --				DATE	ZONE	FISHED	HOURS -- CATCH PER SPECIES --			
			13:	18:	60:	13:				13:	18:	60:	13:
28 MAR	3	2.0	13:	3			7 APR	2	5.0+	130:	1		
29 MAR	3	2.0	13:	3			7 APR	3	1.5	13:	2		
30 MAR	3	1.0					7 APR	4	6.0	7:	8	9:	1 10:
30 MAR	3	3.0	13:	4						11:	2	12:	3 87:
31 MAR	1	2.0	17:	1	18:	2	8 APR	4	2.5	12:	12	17:	3 18:
31 MAR	6	8.0	1:	1	8:	7	13:	1		26:	7	54:	5
			17:	3	26:	14	60:	7	9 APR	2	5.0	7:	1 17:
											7:	1	17:
31 MAR	3	2.0	79:	2	80:	4					26:	1	54:
1 APR	3	1.0	13:	4			10 APR	3	1.0	13:	2		
1 APR	3	5.0	1:	7	8:	3	26:	6	10 APR	3	1.0	13:	2
			50:	7					10 APR	3	1.5	13:	3
2 APR	1	6.0	9:	53	12:	15			11 APR	3	2.0	1:	1 7:
2 APR	3	2.0	78:	6	80:	2					26:	5	
2 APR	3	1.0	13:	2			11 APR	3	0.5	13:	1		
3 APR	3	0.5	13:	1			11 APR	3	2.0	13:	3		
3 APR	2	6.0	10:	1	11:	4			11 APR	4	4.0	16:	2 17:
3 APR	6	8.0	1:	1	6:	1	12:	2			26:	12	42:
			19:	1	26:	32	60:	3			10:	10	50:
											76:	22	
3 APR	2	2.0	17:	3	18:	3	26:	6	11 APR	3	2.0	13:	3
			50:	2	54:	2	60:	1	12 APR	4	6.0		
									12 APR	2	4.0	11:	2 25:
3 APR	3	1.5	13:	3			13 APR	3	6.0	1:	1 7:		
4 APR	3	3.0	13:	4						13:	1 25:	3 26:	
4 APR	3	4.0	13:	3	80:	1	13 APR	3	1.5	13:	4		
4 APR	1	2.0	7:	3	82:	8	13 APR	4	6.0	10:	1 12:		
4 APR	2	6.0	10:	2	11:	1	29:	1		5:	1 12:	5 18:	
									14 APR	3	8.0	25:	1 26:
4 APR	3	0.5	13:	2						9:	3 39:	1	
4 APR	3	3.0	4:	6	80:	6			15 APR	4	6.0	40:	3
5 APR	2	6.0	10:	1	11:	2	88:	2	15 APR	3	0.5	88:	1
5 APR	1	4.0	7:	4	19:	1	20:	3	16 APR	3	1.0	13:	2
									16 APR	1	1.0	13:	4
5 APR	3	1.0	13:	5						54:	3 132:	1	
5 APR	1	6.0	4:	3	9:	16	12:	11	16 APR	3	2.0	1:	4
									17 APR	3	2.0	34:	4
5 APR	2	4.0	34:	1	58:	14	90:	15		6	8.0	1:	2 6:
5 APR	3	1.0	13:	1	35:	1			18 APR	6	8.0	2:	2 7:
6 APR	3	2.0	13:	4							19:	9 26:	
6 APR	2	2.0	29:	2					18 APR	3	0.5	33:	10
6 APR	6	7.0	7:	1	11:	1	19:	2		4	4.0	13:	2
											7:	11 12:	
6 APR	3	2.0	20:	4	26:	52	76:	8			18:	2 14:	
6 APR	2	6.0	11:	5	12:	2	29:	3	18 APR	2	2.0	19:	2 41:
6 APR	1	2.0	7:	6	11:	1	18:	2	19 APR	3	3.0	19:	4
										6	8.0	1:	1 6:
6 APR	3	1.5	20:	4					19 APR			1:	1 12:
7 APR	2	5.0	19:	1	20:	2	82:	10				13:	4
											26:	37 60:	

APPENDIX TABLE 14 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —								
			13:	2	7:	3	10:	2	17:	2	30 APR	3	2.5	82:	17	13:	3		
20 APR	3	1.0	13:	2							30 APR	3	1.5	13:	3				
20 APR	4	6.0	7:	3	10:	2	17:	2			30 APR	3	4.0	17:	1	18:	1		
			26:	46	50:	6	60:	2			30 APR	1	54:	3	76:	6			
			76:	35	96:	1													
20 APR	3	1.0	13:	2							30 APR	3	1.0	13:	2				
20 APR	3	2.0	13:	2	35:	1					1 MAY	1	5.0	19:	1	26:	6		
21 APR	3	1.0												96:	1				
21 APR	3	1.5	13:	3							1 MAY	3	1.5	13:	5				
21 APR	4	6.0	11:	4	88:	1					2 MAY	3	2.0	13:	4				
21 APR	3	2.0									2 MAY	3	1.0	13:	1				
21 APR	3	6.0	6:	2	12:	6	42:	3			3 MAY	3	1.5	13:	2				
			60:	5	62:	7					3 MAY	4	6.0	11:	5	88:	2		
			26:	11	60:	9					4 MAY	6	6.0	2:	12	11:	3		
													93:	1					
22 APR	2	6.0	35:	1	87:	1	97:	1			4 MAY	3	2.0	13:	4				
22 APR	3	3.0	13:	6							4 MAY	1	6.0	10:	3				
22 APR	3	1.5	13:	4							5 MAY	3	1.5	13:	2				
23 APR	3	2.0	13:	1							6 MAY	3	2.0	13:	3				
24 APR	2	1.5	18:	2	54:	4	60:	1			6 MAY	3	1.0						
			76:	12							6 MAY	6	8.0	1:	5	6:	1		
													11:	1	13:	2	19:	2	
25 APR	1	4.0											60:	9					
25 APR	3	2.0	13:	1									11:	2	88:	1			
25 APR	6	7.0	13:	1	17:	1	26:	17			6 MAY	4	3.0	18:	2	26:	13	54:	5
			60:	1	76:	18					7 MAY	2	4.0	76:	20				
25 APR	3	0.5	35:	1															
26 APR	4	6.0	7:	5	11:	1	17:	6			8 MAY	4	6.0	11:	5	101:	1		
			18:	5	20:	1	26:	19			9 MAY	4	6.0	11:	3	101:	2		
			42:	6	50:	17	54:	14			9 MAY	3	1.0	13:	2				
			76:	33							10 MAY	4	5.0	7:	3	11:	2	12:	2
26 APR	3	2.0	13:	3									88:	1					
27 APR	3	1.5	13:	4							11 MAY	4	5.0	11:	2				
27 APR	3	2.0	26:	1							12 MAY	1	0.5	18:	2				
27 APR	3	0.5	13:	1							13 MAY	3	1.0	13:	2				
28 APR	4	6.0	11:	3							13 MAY	4	6.0	2:	1	6:	7		
28 APR	6	6.5	6:	1	7:	7	13:	2			15 MAY	3	2.5	1:	1	13:	6	14:	1
			26:	7	30:	20	39:	2					50:	2					
			50:	3	60:	1	76:	12			15 MAY	3	1.5	13:	4				
28 APR	3	2.0	13:	2							16 MAY	3	1.0	13:	1				
28 APR	3	1.0	13:	3							16 MAY	1	3.0	10:	1	11:	1	12:	1
29 APR	3	2.0	13:	5							16 MAY	3	1.0	13:	1				
29 APR	2	6.0	17:	1	18:	20	26:	12			18 MAY	3	1.0	13:	1				
			54:	1	76:	50	82:	3			18 MAY	4	6.0	11:	2	17:	2	18:	11
29 APR	3	6.5	13:	9	17:	1	18:	3					20:	2	26:	11	50:	6	
			20:	1	26:	1	30:	10					54:	9	76:	30			
			39:	1	50:	2	62:	27			19 MAY	4	6.0	11:	11				
			76:	7	82:	5					19 MAY	2	6.0	95:	1	97:	2		
29 APR	4	6.0	11:	3	88:	2					19 MAY	6	4.0	7:	2	10:	1	26:	4

APPENDIX TABLE 14 (CONTINUED).

DATE	ZONE	FISHED	HOURS -- CATCH PER SPECIES --				DATE	ZONE	FISHED	HOURS -- CATCH PER SPECIES --			
			4.0+	42: 4						4.0	2.0		
19 MAY	6	4.0+	42: 4				16 JUN	4	2.0				
20 MAY	4	6.0	11: 3	29: 4			26 JUN	3	1.0	13: 2			
21 MAY	4	6.0	11: 4	88: 1			27 JUN	3	1.0	13: 2			
21 MAY	3	2.0	13: 3				1 JUL	3	1.0	13: 2			
22 MAY	3	0.5	13: 1				4 JUL	1	4.0	11: 1	54: 15	76: 2	
22 MAY	1	4.0								113: 1			
23 MAY	1	4.0					7 JUL	3	6.0	7: 3	20: 3	26: 42	
23 MAY	1	4.0	3: 1	9: 2	18: 1					57: 1			
			30: 15	95: 2			8 JUL	3	5.0	7: 3	13: 2	26: 28	
24 MAY	1	3.5	10: 2	29: 2						33: 1			
24 MAY	1	4.0					9 JUL	3	1.0	13: 3			
25 MAY	3	0.5	13: 2				10 JUL	3	5.0	13: 8	26: 40		
27 MAY	1	3.0	10: 2	81: 1			10 JUL	3	6.0	2: 1	17: 1	18: 1	
28 MAY	3	8.0	10: 2	12: 1	13: 1					24: 8	26: 8	76: 3	
			18: 2	26: 14	57: 3					85: 1			
			60: 2	76: 1			11 JUL	3	6.0	26: 52			
28 MAY	4	6.0	11: 12				14 JUL	3	5.0	6: 1	26: 42		
29 MAY	4	6.0	10: 1	11: 6	12: 1		15 JUL	3	4.0	26: 24			
			29: 9				17 JUL	2	5.0	17: 2	18: 2	60: 1	
29 MAY	6	8.0	1: 1	6: 4	7: 3					76: 48	118: 8		
			12: 1	13: 1	17: 2		25 JUL	3	3.0	7: 3	26: 31		
			18: 1	19: 2	20: 1		25 JUL	3	1.0	41: 2			
			41: 2	54: 1	60: 3		26 JUL	1	3.0	19: 2	20: 1	82: 6	
			62: 17	76: 8						96: 2	130: 1		
30 MAY	4	3.0	11: 2				28 JUL	1	2.0	20: 2	82: 3	130: 2	
31 MAY	4	6.0	10: 2	11: 3	12: 1		29 JUL	1	1.0	11: 1	19: 1		
			29: 7				30 JUL	3	4.0	7: 8	13: 1	26: 15	
31 MAY	1	3.0	10: 1							57: 6			
1 JUN	1	4.0	10: 1				31 JUL	2	1.5	7: 5	10: 1	13: 3	
1 JUN	4	6.0	10: 1	11: 5	12: 2					19: 1	54: 4	96: 3	
2 JUN	2	2.0	18: 1	19: 1	96: 4		4 AUG	3	2.0	18: 1	26: 9	76: 2	
3 JUN	4	4.0	11: 7	12: 6	29: 4		6 AUG	3	3.0	26: 15			
3 JUN	3	4.0	17: 1	19: 4	54: 1		8 AUG	3	1.0	13: 2			
4 JUN	4	6.0	11: 3	12: 3	29: 1		11 AUG	3	3.0	7: 1	26: 18	57: 1	
4 JUN	3	1.0	13: 4	22: 1			12 AUG	3	2.0	13: 3			
7 JUN	1	4.0	97: 1				12 AUG	3	3.0	26: 1	60: 3		
10 JUN	3	0.5	13: 2				13 AUG	3	2.0	13: 2			
11 JUN	3	1.0	13: 4				13 AUG	3	3.0	1: 5	6: 6	7: 3	
11 JUN	3	2.0	17: 2	60: 4						13: 2	17: 1	18: 1	
11 JUN	4	6.0	9: 5	11: 7	58: 2					60: 4			
12 JUN	2	2.0	11: 5				15 AUG	1	1.0	54: 6			
12 JUN	3	0.5	13: 2				16 AUG	3	6.0	6: 3	7: 2	11: 2	
13 JUN	3	0.5	13: 2							23: 1	26: 4	60: 1	
14 JUN	3	1.0	13: 4				18 AUG	2	4.0	26: 11	54: 5		
14 JUN	4	2.0	10: 2				20 AUG	3	0.5	13: 1			
14 JUN	1	4.0					21 AUG	2	3.0	1: 2	8: 4	11: 1	
15 JUN	4	6.0	10: 1	11: 12						13: 3	26: 9	60: 2	

APPENDIX TABLE 14 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —								
			101: 1	7: 1	11: 1	20: 1	26: 12				13 OCT	3	4.0	1: 2	26: 6	54: 1			
21 AUG	1	2.0	101: 1					13 OCT	3	4.0	1: 2	26: 6	54: 1	57: 2	60: 2				
25 AUG	3	2.0	7: 1	11: 1	20: 1		26: 12	15 OCT	3	4.0	13: 2	50: 4	79: 1	80: 1					
27 AUG	1	2.0	31: 11																
28 AUG	6	4.5	7: 4	8: 3	11: 1		13: 4	60: 2	15 OCT	3	1.0	13: 2							
									16 OCT	3	3.0	1: 1	26: 7	54: 2	57: 2	60: 1	76: 2		
31 AUG	3	2.0	13: 3																
3 SEP	3	1.0	13: 1					17 OCT	3	2.0	13: 1	41: 2							
3 SEP	3	2.0	41: 5					18 OCT	4	3.0	10: 2	12: 1							
3 SEP	3	3.0	6: 1	26: 10	76: 2		18 OCT	3	5.0	1: 18	6: 3	7: 4							
4 SEP	3	3.0	6: 3	11: 1	18: 1		25: 1	26: 8	18 OCT	2	3.0	10: 1	19: 1	54: 5	12: 1	60: 2			
7 SEP	3	1.5	13: 2					20 OCT	2					60: 1					
9 SEP	3	1.0	13: 1					22 OCT	2	0.5	7: 8								
10 SEP	2	1.0	26: 8					23 OCT	4	6.0	10: 3	101: 1							
12 SEP	2	2.0	31: 14					23 OCT	3	5.0	11: 1	17: 2	26: 30						
13 SEP	2	2.0	4: 3											54: 6	60: 1				
17 SEP	3	1.0	13: 1					24 OCT	2	3.0	18: 7	26: 8	42: 1						
18 SEP	2	3.0	7: 2	11: 1	18: 3		20: 1	26: 4	24 OCT	2	3.0	60: 5	76: 9	120: 1					
								25 OCT	3	6.0	1: 6	7: 4	11: 1	20: 1	26: 9	51: 1			
21 SEP	1	6.0	7: 2	11: 5	29: 2									60: 2					
22 SEP	2	6.0	9: 3	11: 1	18: 6		19: 4	25: 2	26: 40	27 OCT	2	4.0	11: 1	17: 2	25: 2	54: 12	60: 8	122: 2	
														54: 20	60: 10				
23 SEP	1	3.0						28 OCT	3	6.0	2.0	1: 2	7: 30						
24 SEP	3	5.0	7: 4	20: 1	26: 15		30 OCT	1	4.0	9: 15	12: 8	30: 2							
27 SEP	4	6.0	11: 2	101: 2										95: 1					
27 SEP	3	3.0	6: 3	11: 2	20: 4		60: 1		30 OCT	3	1.0	60: 1							
									31 OCT	2	6.0	11: 1	26: 20	54: 1	60: 1				
30 SEP	3	7.0	1: 5	6: 4	26: 5		60: 27			1 NOV	3	7.0	60: 3	76: 1	123: 1	7: 7	26: 17	39: 1	
														40: 1	42: 3	50: 4			
1 OCT	3	5.0	26: 1											54: 2	60: 8	120: 8			
1 OCT	3	4.5	7: 3	26: 24															
4 OCT	4	6.0	9: 4	11: 2	12: 7		17: 1	58: 4	3 NOV	2	3.0	101: 1							
									3 NOV	3	4.0	1: 4	7: 10	11: 1	3 NOV				
5 OCT	4	4.0	11: 2						4 NOV	3	8.0	1: 9	7: 7	11: 1					
6 OCT	4	3.0	10: 1	11: 1	88: 1									35: 1	62: 1	91: 1			
6 OCT	3	5.0	7: 1	54: 9	88: 5				4 NOV	1	6.0	4: 2	5: 1	9: 27					
7 OCT	3	6.0	1: 6	12: 1	26: 15		54: 5			4 NOV	2	0.5	12: 6	58: 1					
														26: 2	54: 3				
7 OCT	4	3.0	11: 1	101: 2					4 NOV	3	5.0	1: 4	7: 6	12: 1					
8 OCT	4	3.0	101: 1											26: 6	60: 3				
8 OCT	3	0.5	13: 1					5 NOV	3	6.0	1: 3	8: 1	26: 3						
8 OCT	3	2.0	6: 1	26: 20										41: 2	54: 6	60: 6			
9 OCT	4	6.0	10: 1	11: 8	29: 7			5 NOV	3	7.0	23: 8								
10 OCT	4	4.0	11: 1					6 NOV	3	6.0	1: 3	6: 1	26: 3						
11 OCT	3	2.0	36: 1											41: 2	54: 6	60: 6			

APPENDIX TABLE 14 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —									
			26:	8	4:	15	9:	3	12:	3	14	DEC	3	4.0	1:	25	54:	7	60:	1
6 NOV	3	6.0									16	DEC	3	6.0	1:	14	13:	1	26:	27
6 NOV	1	7.0									17	DEC	3	7.0	1:	37	7:	4	14:	15
			34:	3	43:	1	54:	1						24:	1	39:	1	50:	14	
			58:	18	90:	4								62:	11	82:	3			
8 NOV	2	3.0	25:	4	60:	2								42:	8	18:	2	20:	2	
9 NOV	4	6.0	9:	7	12:	2	18:	3			18	DEC	6	5.5	14:	8	18:	2	20:	2
			58:	4										26:	3	42:	2	62:	8	
9 NOV	2	1.0	26:	8	54:	6								82:	1	99:	1	120:	1	
12 NOV	2	2.0	41:	6	54:	4					19	DEC	6		14:	19	17:	1	18:	4
13 NOV	2	4.0	13:	2	20:	1	25:	8						19:	3	25:	8	26:	5	
			26:	7	76:	5								42:	5	50:	3	54:	5	
13 NOV	6	7.5	1:	10	12:	8	14:	1			20	DEC	6	7.0	11:	1	12:	1	13:	16
			35:	1	60:	3	103:	1						14:	19	17:	1	18:	4	
			118:	1										19:	3	25:	8	26:	5	
15 NOV	2	2.0												62:	4	74:	3	82:	4	
17 NOV	3	5.0	1:	7	54:	12	60:	2			19	NOV	2	8.0	1:	29	7:	1	60:	2
			17:	3	54:	6	60:	1						128:	1					
19 NOV	3	3.0	1:	3	6:	6	13:	1						1:	39	7:	5	13:	2	
			26:	10	51:	1	60:	3			21	DEC	3	7.0	20:	3	39:	2	42:	1
21 NOV	3	0.5	13:	1										50:	2	54:	8	76:	8	
23 NOV	2	3.5	26:	15	54:	18	60:	1						120:	2					
23 NOV	3	5.0	1:	12	11:	2	60:	3			25	NOV	1	6.0	1:	21	2:	8	26:	1
			4:	4	9:	10	12:	12						34:	3	58:	18	60:	3	
25 NOV	4	3.0	9:	7	12:	4	18:	6			22	DEC	3	2.0	1:	22	7:	5	54:	1
			58:	4										23	DEC	3	8.0	1:	39	7:
25 NOV	4	3.0	10:	2	12:	2											60:	7		
27 NOV	3	0.5	13:	1							24	NOV	3	6.0	1:	17	7:	6	13:	4
27 NOV	6	5.0	25:	1	26:	3	60:	2			24	DEC	3	6.5	1:	27	11:	1	13:	1
28 NOV	6	7.0	1:	6	13:	8	16:	1						26:	8	54:	2	60:	3	
			17:	3	18:	5	19:	5						54:	35	60:	12	76:	14	
			25:	1	26:	13	42:	7			25	NOV	3	3.0	1:	8	39:	1	76:	25
			54:	35	60:	12	76:	14						26:	1	11:	1	26:	2	
29 NOV	3	7.0	1:	26	7:	7	20:	3			26	DEC	6	7.0	1:	18	2:	12	60:	4
			24:	13										60:	6					
29 NOV	3	0.5	13:	1										80:	2					
29 NOV	4	6.0	9:	4	11:	4	12:	2			27	NOV	6	7.0	1:	17	2:	2	18:	2
			17:	1	18:	6	58:	6						60:	1	120:	3			
3 DEC	6	7.5	1:	5	26:	6	60:	12			27	DEC	3	8.0	1:	8	7:	5	35:	1
3 DEC	2	3.0	26:	14	54:	2	60:	6						50:	1	60:	2	91:	1	
7 DEC	2	8.0	1:	36	60:	1					28	DEC	6	7.0	1:	18	6:	5	7:	3
8 DEC	3	2.0	1:	13	42:	3								14:	11	62:	8	82:	3	
9 DEC	3	5.0	39:	1							29	DEC	6	7.0	1:	21	11:	8	60:	4
10 DEC	2	2.0	1:	3	17:	1	26:	1			29	DEC	3	2.0	60:	2				
			60:	1							29	DEC	3	5.0	1:	19	6:	3		
10 DEC	3	7.0	1:	26	6:	3	11:	1			30	DEC	3	2.0	1:	12	6:	5		
			20:	5							30	DEC	3	0.5	13:	1				

APPENDIX TABLE 14 (CONTINUED).

DATE	ZONE	FISHED	HOURS				DATE	ZONE	FISHED	HOURS				
			— CATCH PER SPECIES —							— CATCH PER SPECIES —				
30 DEC	6	7.0	1:	7	13:	8	18:	2						
			19:	15	26:	3	54:	4						
			60:	13										
30 DEC	6	7.0	1:	5	2:	2	7:	10						
			12:	7	29:	1	62:	3						
			95:	2										

APPENDIX TABLE 15. LOGGED 1983 TROLLING CATCH AND EFFORT FROM SOUTHWEST FLORIDA

DATE	ZONE	FISHED	HOURS				DATE	ZONE	FISHED	HOURS			
			-- CATCH PER SPECIES ---							-- CATCH PER SPECIES ---			
4 APR	1	6.0	3:	6	5:	5							
7 APR	1	6.0	3:	3	5:	6							
11 APR	1	4.0	5:	5									
2 AUG	2	1.0	3:	1									
13 AUG	2	0.5	3:	1									
14 SEP	1	4.0	4:	4									
5 OCT	2	4.0	3:	6	7:	2	9:	2					
			12:	9									
6 OCT	1	1.0											
6 OCT	2	4.0	3:	2	5:	1	7:	6					
			9:	7	12:	12							
7 OCT	2	4.0	3:	5	5:	3	7:	4					
			9:	1	12:	6							
9 OCT	1	4.0	3:	3	6:	1	9:	2					
			12:	4									
9 OCT	2	4.0	1:	1	3:	5	7:	1					
10 OCT	2	6.0	3:	9									
10 OCT	1	4.0	3:	9	7:	2	9:	5					
			12:	5									
11 OCT	2	4.0	3:	9	6:	2							
13 OCT	1	4.0	3:	6	9:	4	12:	4					
14 OCT	1	4.0	3:	4	9:	5	12:	2					
17 OCT	2	2.0	3:	7	6:	3							
18 OCT	1	4.0	3:	6	6:	1	7:	9					
			9:	2	12:	7							
19 OCT	2	3.5	3:	14									
24 OCT	1	4.0	3:	4	6:	1	7:	4					
			9:	3	12:	4							
28 OCT	1	4.0	4:	4	9:	3	12:	6					
4 NOV	1	4.0	3:	4	8:	1	12:	4					

APPENDIX TABLE 16. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM SOUTHWEST FLORIDA

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —									
			4:	1	9:	5	12:				9:	6	12:	11	58:	7				
2 APR	1	8.0	4:	1	9:	5	12:	7	11 APR	1	3.0	9:	6	12:	11	58:	7			
												90:	8							
3 APR	1	6.0	9:	27	12:	8	45:	2	11 APR	1	4.0	9:	2	13:	3	58:	19			
												5.0	4:	2	9:	7	12:	1		
												34:	7	43:	1	54:	14			
3 APR	1	8.0	9:	5	12:	4	58:	40				70:	1	92:	1	93:	1			
3 APR	1	5.0	4:	2	9:	6	12:	5				113:	1							
												6.0	4:	5	12:	4	34:	1		
												43:	2	54:	1	58:	10			
												86:	1	90:	10	93:	2	58:	24	
												113:	2							
3 APR	1	6.0	4:	1	9:	10	12:	4	12 APR	1	4.0	9:	2	34:	2	58:	27			
												31:	12							
4 APR	1	6.0	9:	12	12:	2	31:	14				12 APR	6	4.0	18:	6	42:	4	50:	1
												61:	2							
4 APR	1	4.0	9:	10	12:	3	29:	1				13 APR	1	3.5	4:	1	34:	6	45:	1
												34:	2	58:	18	92:	2			
4 APR	1	8.0	9:	5	12:	5	58:	51				14 APR	1	6.0	4:	2	7:	1	9:	5
5 APR	1	6.0	9:	1	12:	5	35:	4				90:	7	94:	22					
												45:	2	54:	2	58:	7	58:	21	
												90:	9							
5 APR	1	8.0	9:	12	12:	4	58:	29				14 APR	1	4.0	9:	1	34:	1	58:	5
5 APR	1	3.0	4:	3	9:	6	12:	2	15 APR	1	5.0	9:	2	13:	1	29:	2			
												31:	4							
6 APR	1	6.0	4:	1	9:	10	12:	4	15 APR	1	4.0	15 APR	1	4.0	10:	2	29:	2		
												31:	7							
6 APR	1	3.0	9:	6	34:	1	54:	3	16 APR	1	5.0	16 APR	1	3.5						
												90:	6							
6 APR	1	4.0	9:	5	12:	8	58:	30				16 APR	1	4.0	90:	8	94:	1		
6 APR	1	6.0	4:	7	34:	3	43:	2	16 APR	1	4.0	16 APR	1	2.5	4:	8	54:	2		
												58:	4	77:	1	90:	4	58:	20	
												92:	1	93:	2					
7 APR	1	5.0	4:	1	12:	1	34:	12	17 APR	1	7.0	17 APR	1	7.0	12:	2	45:	7	58:	24
												54:	6	58:	1	64:	1			
												76:	6							
7 APR	1	6.0	6:	1	9:	5	12:	7	17 APR	4	4.0	9:	4	36:	1	58:	13			
												35:	10	45:	1	58:	20			
												90:	12							
7 APR	1	8.0	4:	1	9:	20	12:	4	18 APR	1	4.0	18 APR	1	4.0	12:	4	58:	26		
												58:	41							
7 APR	1	6.0	9:	4	12:	1	31:	1				18 APR	1	6.0	9:	4	45:	1	58:	6
8 APR	1	8.0	9:	15	12:	4	58:	42	19 APR	1	4.0	19 APR	1	4.0	4:	2	12:	2	58:	25
8 APR	2	3.0	17:	1	34:	2	43:	1	19 APR	1	5.0	19 APR	4	4.0	10:	1				
												54:	1	58:	14					
9 APR	1	8.0	9:	11	12:	6	58:	44	20 APR	4	6.0	20 APR	4	6.0	58:	12				
10 APR	1	8.0	9:	4	58:	27			20 APR	1	6.0	10 APR	1	6.0	3:	1	4:	1	7:	3
11 APR	1	4.0	9:	3	58:	28						9:	12	12:	8	58:	35			

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED							HOURS FISHED							
		-- CATCH PER SPECIES ---							DATE	ZONE	-- CATCH PER SPECIES ---					
20 APR	1	6.0+	70: 3	90: 3	94: 30				29 APR	4	4.0	58: 19				
20 APR	1	4.0	58: 12	61: 3					30 APR	4	5.0					
21 APR	1	6.0	4: 2	9: 5	11: 2				30 APR	4	4.0	58: 26				
			58: 6	61: 4	92: 2				30 APR	2	3.0	28: 71	31: 2			
21 APR	1	4.0	9: 3	58: 99					30 APR	1	7.0	7: 6	9: 15	12: 10		
21 APR	2	7.0	7: 8	12: 4	17: 1							58: 76	76: 4	90: 5		
			18: 18	35: 1	42: 17							94: 4				
				76: 47					30 APR	1	3.5	45: 7	58: 44			
21 APR	4	6.0	9: 2	10: 1					1 MAY	2	4.0	3: 6	5: 3	7: 3		
22 APR	4	6.0	9: 3	58: 15								9: 8	12: 4	19: 1		
22 APR	4	8.0	10: 1									58: 15				
22 APR	1	4.0	4: 3	58: 22					1 MAY	2	3.0	9: 2	12: 4	30: 6		
22 APR	2	4.0	7: 4	12: 1	18: 11							31: 3	58: 52			
			20: 1	42: 25	76: 32				1 MAY	1	6.0	7: 4	29: 1	58: 12		
23 APR	1	4.0	4: 6	58: 19					1 MAY	6	6.0	10: 4				
23 APR	2	5.0	7: 12	12: 7	17: 1				2 MAY	6	6.0	10: 6				
			18: 15	35: 1	42: 12				2 MAY	1	6.0	9: 3				
				76: 21					2 MAY	2	8.0	3: 11	5: 5	7: 2		
23 APR	1	2.0	45: 4	54: 1	58: 7							9: 15	12: 6	19: 2		
23 APR	1	6.0	4: 1	9: 5								58: 36				
23 APR	4	6.0	58: 10	92: 1					3 MAY	1	6.0	17: 1	58: 19			
24 APR	4	4.0	34: 1	58: 15					3 MAY	6	6.0	10: 4				
24 APR	1	4.0	12: 3	34: 2	45: 7				4 MAY	6	6.0	10: 9				
			54: 1	58: 64	76: 12				4 MAY	1	6.0					
				77: 1	93: 2				4 MAY	1	4.0	3: 3	5: 1	9: 10		
25 APR	1	4.0	4: 2	9: 5	58: 22							12: 2	58: 25			
25 APR	4	4.0	58: 6						4 MAY	1	4.0	9: 4	34: 4	43: 2		
26 APR	4	4.0	58: 12									54: 9	90: 3			
26 APR	1	8.0	4: 4	9: 9	12: 3				5 MAY	2	4.0	3: 5	5: 2	9: 6		
			58: 37									58: 18				
26 APR	2	4.0	7: 9	12: 4	18: 8				5 MAY	1	3.0	9: 4	31: 6			
			20: 1	42: 12	76: 21				5 MAY	1	6.0	17: 4	58: 23			
27 APR	1	4.0	9: 6	12: 5	58: 28				5 MAY	6	6.0	10: 9				
27 APR	1	6.0	10: 2	36: 3					6 MAY	6	6.0	10: 9				
27 APR	1	6.0	4: 1	9: 6	12: 3				6 MAY	1	6.0					
			31: 15	61: 1					6 MAY	2	6.0	9: 3	61: 14	92: 1		
27 APR	4	4.0	58: 12						6 MAY	2	4.0	3: 4	5: 6	9: 9		
28 APR	4	4.0	58: 12									58: 25				
28 APR	2	6.0	5: 1	7: 4	12: 7				6 MAY	1	6.0	4: 1	9: 9	12: 4		
			18: 11	19: 1	35: 1							43: 1	54: 7	58: 22		
			42: 50	76: 42								90: 12				
28 APR	1	4.0	3: 1	5: 2	58: 20				7 MAY	2	4.0	3: 3	5: 4	9: 6		
29 APR	1	6.0	4: 1	7: 11	9: 23							12: 5	58: 15			
			12: 19	58: 60	76: 5				7 MAY	1	3.0	92: 2				
			90: 9	94: 19					7 MAY	2	6.0	61: 5				
29 APR	1	3.0	4: 1	9: 3	12: 4				7 MAY	1	6.0	58: 12				
			31: 16						7 MAY	6	6.0	10: 5				

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				
8 MAY	6	6.0	10:	5				16 MAY	1	4.0	10:	1			
8 MAY	4	5.5	12:	2	36:	1	58:	12	17 MAY	1	4.0				
8 MAY	2	6.0	61:	6				17 MAY	6	6.0	10:	4			
8 MAY	2	4.0	3:	2	9:	6	12:	3	17 MAY	1	7.0	9:	10	12:	6
			58:	21							31:	9			
9 MAY	1	4.0	34:	2	45:	10	58:	6	18 MAY	1	6.5	10:	1	29:	1
			76:	4				18 MAY	6	6.0	10:	5			
9 MAY	1	5.5						18 MAY	1	4.0	10:	2	29:	2	
9 MAY	6	6.0	10:	6				19 MAY	1	4.0	10:	4			
10 MAY	6	6.0	2:	1	10:	4		19 MAY	6	6.0	10:	6			
10 MAY	1	5.5	58:	3				19 MAY	1	6.5	87:	1	93:	1	
10 MAY	1	3.5	12:	2	45:	14	58:	3	19 MAY	4	6.0				
			76:	7				20 MAY	1	3.0	54:	12			
10 MAY	2	4.0	2:	1	3:	1	5:	2	20 MAY	1	7.0	10:	3		
			58:	31				20 MAY	2	6.0	17:	2	18:	23	76: 17
10 MAY	2	7.0	7:	5	18:	30	42:	2	20 MAY	6	6.0	10:	1		
			70:	1	76:	27	85:	10	20 MAY	1	4.0	12:	4	58:	5
10 MAY	2	3.0						21 MAY	1	4.0	29:	1			
11 MAY	2	4.0	9:	5	12:	5	58:	23	21 MAY	6	6.0	10:	3		
11 MAY	1	4.0	12:	1	58:	1	61:	2	21 MAY	1	6.0	10:	6	29:	2
11 MAY	1	5.5	8:	2	12:	5					61:	3			
11 MAY	6	6.0	10:	4				22 MAY	6	6.0	10:	4			
12 MAY	6	6.0	10:	6				22 MAY	1	8.0	7:	3	10:	4	29: 1
12 MAY	1	5.5	58:	10							58:	10	97:	1	
12 MAY	1	5.0	61:	4				23 MAY	1	8.0	58:	5			
12 MAY	1	3.0	7:	6	9:	5	12:	8	23 MAY	6	6.0	10:	5		
			58:	7	90:	6		23 MAY	1	2.5	45:	7	58:	4	61: 2
12 MAY	2	4.0	2:	1	29:	1	58:	15	23 MAY	2	4.0	10:	1		
13 MAY	2	4.0	10:	1				23 MAY	2	3.0	18:	15	19:	4	76: 20
13 MAY	1	6.0	7:	3	9:	17	12:	12	24 MAY	2	4.0	10:	2		
			58:	40	90:	4		24 MAY	1	2.0	9:	3	12:	3	58: 4
13 MAY	1	4.0	92:	1							90:	9	94:	3	
13 MAY	6	6.0	10:	5				24 MAY	1	4.0	12:	4	34:	1	45: 12
14 MAY	6	6.0	10:	3							58:	3			
14 MAY	4	4.0	8:	10	12:	5	58:	8	24 MAY	6	6.0	10:	4		
14 MAY	2	4.0	10:	1				24 MAY	1	8.0	7:	1	10:	2	24: 4
14 MAY	2	4.0	7:	5	17:	1	18:	13			58:	10			
			42:	2	76:	19	85:	2	25 MAY	1	8.0				
14 MAY	1	4.0	76:	3				25 MAY	6	6.0	10:	4			
15 MAY	1	4.0	10:	2	97:	1		25 MAY	1	4.0	12:	5	45:	16	58: 1
15 MAY	1	3.0	9:	6	12:	7	31:	5	25 MAY	2	4.0	10:	1	29:	1
			90:	3				25 MAY	1	2.0	9:	8	64:	1	90: 4
15 MAY	2	3.0	3:	1	18:	6	19:	8	26 MAY	2	4.0	2:	1	3:	2
			54:	4	76:	30		26 MAY	1	6.0	29:	2	35:	1	61: 1
15 MAY	1	4.0	12:	4	29:	1		26 MAY	6	6.0	10:	6			
15 MAY	6	6.0	10:	5				26 MAY	1	4.0	10:	1	24:	1	58: 4
16 MAY	3	6.0	10:	4				27 MAY	1	4.0					

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				
27 MAY	6	6.0	10:	5			4 JUN	2	7.0+	85:	8			
27 MAY	2	4.0	10:	1			5 JUN	1	3.5	12:	2	34:	1	
28 MAY	2	3.0	12:	4	18:	2	85:	37		54:	1	58:	4	
28 MAY	2	4.0	4:	1	9:	10	19:	1	4.0	10:	1			
			58:	22			5 JUN	2	6.0	10:	5			
28 MAY	1	2.5	61:	1	92:	1		5 JUN	1	8.0	9:	3	10:	1
28 MAY	2	6.0	29:	1	35:	1				58:	10			
28 MAY	6	6.0	10:	6			6 JUN	1	8.0	10:	2	58:	9	
28 MAY	1	8.0	58:	12			6 JUN	6	6.0	10:	5			
29 MAY	1	8.0	3:	1	12:	4	19:	1	4.0	2:	1	58:	10	
			58:	12			7 JUN	2	4.0	3:	1	9:	4	
29 MAY	6	6.0								58:	7			
29 MAY	2	4.0	35:	1			7 JUN	2	7.0	18:	26	42:	3	
29 MAY	1	4.0	3:	1	12:	4	45:	10		85:	16			
30 MAY	1	7.0	4:	2	7:	10	9:	15	7 JUN	6	6.0	10:	6	
			12:	1	54:	6	58:	2	8 JUN	1	4.0			
			77:	2	86:	2	90:	100		8 JUN	6	6.0	10:	6
			92:	1	93:	5			8 JUN	2	4.0	10:	1	
30 MAY	2	4.0	2:	1	10:	1			8 JUN			58:	68	
30 MAY	1	4.0	29:	2	95:	1			9 JUN	6	6.0	10:	6	
30 MAY	6	6.0	10:	1					9 JUN	1	8.0	9:	2	
30 MAY	1	4.0	5:	2	10:	1	58:	9				58:	14	
31 MAY	1	8.0	12:	9	58:	14			10 JUN	6	6.0	10:	6	
31 MAY	6	6.0	10:	3					10 JUN	2	4.0	10:	1	
31 MAY	2	4.0	3:	2	4:	1	12:	4	10 JUN	1	8.0	4:	1	
			58:	16							58:	11		
31 MAY	1	7.0	12:	2	54:	1	92:	2	11 JUN	1	7.0	34:	2	
			109:	1					11 JUN	2	4.0	29:	2	
1 JUN	1	2.0	9:	3	76:	2	90:	5	11 JUN	6	6.0	10:	8	
1 JUN	2	4.0	9:	3	12:	4	19:	2	11 JUN	1	8.0	10:	2	
			58:	20					12 JUN	1	8.0	9:	6	
1 JUN	6	6.0	10:	5						12 JUN	6	6.0	10:	5
1 JUN	1	8.0	10:	1					12 JUN	2	4.0	2:	1	
2 JUN	1	8.0	12:	10	58:	8						58:	25	
2 JUN	6	6.0	10:	5					12 JUN	1	4.0	10:	1	
2 JUN	2	4.0	10:	2	95:	1			13 JUN	2	4.0	10:	1	
2 JUN	1	6.0	9:	12	12:	8	29:	1	13 JUN	6	6.0	10:	8	
			58:	7	90:	10	94:	9	13 JUN	1	8.0	10:	2	
2 JUN	1	3.5	45:	4	58:	1	70:	1	14 JUN	1	8.0	10:	1	
3 JUN	1	4.0	12:	7	45:	16	58:	2	14 JUN	6	6.0	10:	8	
3 JUN	2	4.0	3:	1	29:	6	58:	35	14 JUN	2	4.0	3:	5	
3 JUN	6	6.0	10:	6							29:	2		
4 JUN	6	6.0	10:	6							58:	39		
4 JUN	2	4.0	9:	6	12:	3	29:	2	15 JUN	2	4.0	2:	1	
			58:	17							29:	3		
4 JUN	2	7.0	18:	31	42:	1	76:	5	15 JUN	3	6.0	18:	15	
											54:	13		
											76:	30		

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			10: 4	9: 9	12: 4	17: 2	58: 14				4.0	3: 2	7: 1	12: 5	58: 23	70: 2	97: 1
15 JUN	6	6.0	10: 4					25 JUN	2	4.0	3: 2	7: 1	12: 5				
15 JUN	1	8.0	9: 9	12: 4	17: 2		58: 14	25 JUN	2	4.0	97: 1						
16 JUN	1	4.0						25 JUN	6	6.0	10: 8						
16 JUN	6	6.0	10: 6					26 JUN	6	6.0	10: 9						
16 JUN	2	4.0	3: 1	9: 5	12: 8		29: 4	26 JUN	1	4.0	9: 3	12: 6	17: 1				
							58: 27				58: 11						
16 JUN	2	7.0	18: 42	42: 2	76: 4			26 JUN	1	4.0	3: 1	45: 3	58: 44				
17 JUN	2	9.0	18: 57	20: 1	42: 5		76: 7	27 JUN	2	4.0	10: 2						
								27 JUN	1	4.0	9: 9	12: 3	58: 9				
17 JUN	2	4.0	10: 1	29: 1	58: 24			27 JUN	6	6.0	10: 8						
17 JUN	6	6.0	10: 6					28 JUN	6	6.0	10: 6						
17 JUN	1	4.0	10: 1					28 JUN	1	4.0	9: 1	12: 1	29: 3				
18 JUN	1	8.0	9: 6	17: 1	58: 9			28 JUN	2	4.0	58: 6						
18 JUN	6	6.0	10: 9					28 JUN	2	4.0	3: 1	10: 1	58: 14				
18 JUN	2	4.0	3: 2	7: 2	12: 3		58: 16	28 JUN	1	3.5	45: 2	58: 31	76: 2				
											84: 1						
18 JUN	2	3.0						28 JUN	2	8.0	17: 1	18: 43	42: 8				
19 JUN	1	4.0	10: 1	29: 2	73: 10		90: 50	28 JUN	2	4.0	76: 5	85: 4					
19 JUN	6	6.0	10: 7					29 JUN	2	5.0							
20 JUN	1	6.0	10: 4	58: 37				29 JUN	2	4.0	2: 1	9: 10	58: 39				
20 JUN	2	4.0	2: 1	9: 5	12: 3		58: 31	29 JUN	6	6.0	10: 3						
								30 JUN	6	6.0	10: 1						
21 JUN	2	4.0	10: 2	58: 16				30 JUN	2	4.0	10: 1						
21 JUN	2	4.0						30 JUN	2	6.0							
21 JUN	6	6.0	10: 6					1 JUL	2	4.0	2: 1	9: 6	12: 4				
22 JUN	6	6.0	10: 6								58: 30						
22 JUN	2	3.0						1 JUL	2	9.0	17: 1	18: 71	20: 1				
22 JUN	2	4.0	10: 2								42: 19	70: 1	76: 12				
22 JUN	1	3.5	12: 2	45: 10	58: 14		93: 1	2 JUL	1	3.5	85: 3						
												34: 1	45: 4	58: 57			
23 JUN	2	8.0	17: 1	18: 39	42: 5		76: 7	2 JUL	2	4.0	76: 5	84: 2					
23 JUN	2	4.0	3: 3	10: 9	58: 33			2 JUL	2	4.0	7: 2	9: 4	12: 3				
23 JUN	2	4.0	35: 1	97: 2				2 JUL	6	6.0	10: 6						
23 JUN	6	6.0	10: 6					3 JUL	6	6.0	10: 6						
24 JUN	6	6.0	10: 6					3 JUL	1	4.0	9: 3	12: 6	54: 2				
24 JUN	2	5.0	97: 3								58: 6						
24 JUN	2	4.0	10: 1	58: 14				3 JUL	1	3.5	12: 1	34: 1	45: 4				
24 JUN	1	6.0	9: 6	12: 28	35: 1		58: 7	3 JUL	3	3.0	58: 41	76: 6					
								3 JUL	3	3.0	18: 13	19: 2	42: 4				
25 JUN	2	2.0	18: 1	42: 1	76: 3		85: 1	4 JUL	3	6.0	76: 10						
												3: 1	18: 15	19: 4			
25 JUN	1	7.5	4: 3	29: 1	34: 2		43: 1	4 JUL	2	4.0	20: 2	42: 3	76: 14				
												93: 1	84: 1	58: 16			

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --								
			29:	2	58:	9					16 JUL	3	6.0	9:	8	12:	4	31:	22
4 JUL	1	4.0						16 JUL	2	4.0			3:	1	4:	2	9:	6	
4 JUL	6	6.0	10:	8				16 JUL	1	7.0			19:	1	58:	11	84:	1	
5 JUL	6	6.0	10:	11				16 JUL					92:	4					
5 JUL	1	4.0	9:	1	12:	1	29:	5	16 JUL										
			58:	11															
5 JUL	2	4.0	10:	1				16 JUL	2	6.0			10:	5					
6 JUL	2	4.0	9:	3	58:	23	84:	1	17 JUL	6	6.0			10:	2				
6 JUL	6	6.0	10:	10				17 JUL	1	4.0			10:	1					
7 JUL	6	6.0	10:	7				17 JUL	1	4.0			45:	2	58:	36	70:	1	
7 JUL	1	4.0	9:	2	12:	3	29:	1					76:	4					
			58:	8				17 JUL	1	3.0			9:	1	54:	3	90:	5	
7 JUL	2	4.0	2:	1	10:	1		17 JUL	1	3.0			7:	1	9:	7	30:	16	
8 JUL	2	4.0	3:	1	58:	28							31:	26					
8 JUL	1	4.0						18 JUL	1	1.0			30:	2	31:	18			
8 JUL	6	6.0	10:	6				18 JUL	2	4.0			3:	3	5:	1	9:	4	
9 JUL	6	6.0	10:	1									29:	1	58:	16	84:	3	
9 JUL	1	4.0	10:	5				18 JUL	1	4.0			10:	3					
9 JUL	2	4.0	9:	11	58:	19	84:	1	18 JUL	2	6.0			10:	4				
9 JUL	3	4.0	18:	25	19:	1	76:	5	19 JUL	2	5.0			58:	51				
			97:	1				19 JUL	1	4.0									
10 JUL	1	7.0	4:	3	12:	2	34:	2	19 JUL	1	4.0			10:	1				
			43:	1	54:	10	58:	9	19 JUL	2	3.0			17:	1	18:	2	76:	12
			70:	1	84:	1					90:								
10 JUL	1	4.0	9:	3	12:	2	29:	5	19 JUL	1	2.0			30:	4	31:	36	70:	2
			58:	9				20 JUL	1	3.0			30:	3	31:	28	54:	10	
10 JUL	2	6.0	10:	5	19:	1		20 JUL	2	5.0			3:	1	18:	32	54:	2	
11 JUL	2	6.0	10:	1				20 JUL	2	4.0			3:	2	4:	1	19:	3	
11 JUL	1	6.0	4:	2	12:	6	54:	2					58:	29	84:	1			
			58:	14				20 JUL	1	4.0			2:	1	9:	5	12:	10	
11 JUL	2	4.0	3:	2	9:	4	12:	3					29:	1	58:	8			
			19:	2	58:	13	84:	1	21 JUL	1	4.0								
12 JUL	1	4.0						21 JUL	6	6.0			10:	4					
12 JUL	1	3.5	45:	4	58:	29	84:	1	21 JUL	2	4.0			2:	1	12:	4	29:	2
12 JUL	2	6.0	2:	1	10:	2							58:	12	84:	1			
12 JUL	1	4.0	9:	4	12:	4	29:	6	21 JUL	1	3.0			4:	1	31:	32	70:	2
			58:	8				22 JUL	3	6.0			17:	2	18:	43	76:	15	
13 JUL	1	4.0	9:	2	12:	4	29:	3	22 JUL	2	4.0			3:	1	4:	2	9:	8
			58:	9									19:	1	58:	17	84:	1	
13 JUL	2	6.0	10:	3	19:	1		22 JUL	2	9.0			18:	74	20:	1	42:	21	
13 JUL	2	4.0	2:	1	19:	1	58:	18					76:	35					
			84:	3				22 JUL	6	6.0			10:	1	58:	31			
14 JUL	2	4.0	10:	1				22 JUL	1	4.0									
14 JUL	1	4.0	9:	1	12:	1	29:	4	23 JUL	6	6.0			10:	4				
15 JUL	2	4.0	3:	1	5:	1	12:	6	23 JUL	1	4.0			3:	2	29:	1	58:	14
			58:	29	84:	2		23 JUL	3	6.0			17:	3	18:	58	76:	20	
15 JUL	4	6.0	18:	9	19:	1	54:	18	24 JUL	1	3.0			4:	2	9:	14	31:	30
			76:	8				24 JUL	6	6.0			10:	4					

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			4:	1	9:	4	12:	3				4:	1	17:	1	18:	6
24 JUL	1	4.0	4:	1	9:	4	12:	3	4 AUG	1	4.0	58:	12	82:	1		
			19:	1	58:	2			4 AUG	2	5.0	17:	1	18:	6	42:	3
25 JUL	1	4.0	9:	5	12:	6	36:	1				76:	6	85:	12	90:	7
			58:	9					4 AUG	1	3.0	9:	4	45:	15	58:	12
25 JUL	2	5.0	4:	4	58:	21						70:	2				
25 JUL	3	3.0	18:	15	76:	10			5 AUG	1	3.0	92:	2				
26 JUL	5	5.0	18:	5	31:	12			5 AUG	2	4.0	4:	2	9:	3	54:	6
26 JUL	1	4.0	54:	1	58:	12						58:	8				
27 JUL	6	6.0	10:	1					5 AUG	1	4.0	12:	3	58:	6	82:	2
27 JUL	3	7.0	17:	1	18:	3	76:	5	5 AUG	2	4.0	3:	1	6:	3	17:	30
27 JUL	1	5.0	12:	2	34:	1	54:	1				18:	24	54:	3	76:	2
			90:	7					6 AUG	2	4.0	3:	1	17:	6	18:	25
28 JUL	6	6.0	10:	2								20:	1	26:	1	42:	1
29 JUL	6	6.0										76:	7				
29 JUL	1	4.0	4:	1	9:	3	24:	9	7 AUG	2	3.5	17:	8	18:	31	42:	1
29 JUL	1	3.0	18:	5	76:	10						54:	11	76:	15		
30 JUL	2	7.0	18:	36	42:	11	76:	13	7 AUG	1	2.0	34:	1	54:	2	90:	6
30 JUL	1	4.0	36:	2					7 AUG	1	4.0	84:	1	92:	2		
30 JUL	6	6.0	4:	10	58:	13			8 AUG	1	3.0	12:	1	92:	1		
31 JUL	1	4.0	36:	1	58:	9	82:	2	8 AUG	2	4.0	9:	10				
31 JUL	1	4.0	3:	1	45:	4	58:	27	8 AUG	1	3.0	4:	2	9:	5	12:	4
			70:	1	84:	2						31:	26				
31 JUL	1	3.0	9:	5	12:	3	58:	22	8 AUG	1	4.0	12:	6	58:	4	93:	1
			70:	1					8 AUG	2	3.0	58:	11				
1 AUG	1	3.0	9:	4	12:	2	54:	2	9 AUG	1	4.0	12:	1	58:	9	93:	2
			58:	12	92:	1			9 AUG	2	4.0	84:	1	90:	4	92:	1
1 AUG	1	3.5	45:	6	58:	14	70:	1	9 AUG	1	7.5	7:	2	12:	2	45:	4
1 AUG	2	4.0	2:	1	9:	1	12:	4				58:	16				
			54:	4					9 AUG	2	4.0	17:	6	18:	15	26:	1
1 AUG	1	4.0	4:	2	12:	1	34:	3				42:	3	54:	8	76:	18
			58:	10					10 AUG	2	4.0	9:	8	84:	3	92:	1
1 AUG	2	4.5	6:	1	18:	12	26:	1	10 AUG	1	4.0	9:	3	12:	2	58:	12
			50:	2	54:	1	76:	8	11 AUG	2	4.0	4:	1	58:	14	90:	6
			97:	1					11 AUG	1	3.0	4:	3	31:	1	34:	1
2 AUG	2	4.0	17:	6	18:	11	20:	2				54:	4	70:	1	90:	6
			42:	2	54:	9	76:	7	11 AUG	2	6.0	18:	35	20:	1	42:	3
2 AUG	1	4.0	9:	1	93:	2						54:	2				
2 AUG	1	3.0	12:	1	92:	1			11 AUG	6	3.5	1:	1	6:	1	17:	3
2 AUG	5	6.0	18:	2	58:	14						18:	32	20:	1	26:	1
3 AUG	3	7.0	17:	1	18:	4	76:	5				42:	5	54:	4	76:	6
3 AUG	2	4.0	4:	1	9:	1	12:	3	12 AUG	2	4.0	11:	1	17:	4	18:	36
			54:	3	58:	16						20:	1	26:	2	42:	4
3 AUG	1	4.0	34:	7	93:	2						54:	3	76:	8		
3 AUG	2	4.0	17:	20	18:	19	20:	1	12 AUG	2	5.0	18:	24	42:	2		
			42:	1	50:	5	54:	4	12 AUG	2	4.0	9:	20	58:	7		
4 AUG	2	3.5	17:	5	18:	29	50:	1	12 AUG	1	6.0	36:	6	93:	2		
			54:	5	76:	5			12 AUG	2	6.0	58:	35				

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —								
			9: 1	12: 1	58: 6	9: 5	58: 16	9: 4				7: 4	18: 43	26: 4	7: 1	12: 1	4: 6	12: 1	9: 2	
13 AUG	1	4.0	9: 1	12: 1	58: 6	93: 1	93: 10	18: 41	21 AUG	2	4.0	42: 7	42: 14	42: 10	4: 1	12: 1	34: 1	19: 10	20: 1	
13 AUG	2	4.0	4: 1	9: 5	58: 16	90: 10	90: 10	18: 41	21 AUG	1	3.5	4: 6	12: 1	54: 8	54: 1	58: 4	92: 1	12: 1	12: 1	
13 AUG	2	6.0	18: 41						21 AUG	1	3.0	7: 4	9: 2	31: 15	31: 15	7: 2	12: 4	17: 2		
13 AUG	3	2.0	7: 4	18: 43	26: 4	42: 3	76: 6	42: 3	21 AUG	1	4.0	2: 1	12: 4	31: 15	2: 1	12: 4	17: 2	18: 43	26: 4	
13 AUG	2	4.0	17: 1	18: 49	54: 12	76: 10	76: 10	18: 49	21 AUG	1	4.0	9: 4	12: 9	58: 6	58: 6	9: 1	12: 9	58: 6		
14 AUG	2	4.0	3: 1	6: 1	13: 1	17: 5	18: 27	17: 5	22 AUG	1	4.0	4: 14	54: 4	61: 1	4: 14	54: 4	58: 3	18: 27	42: 3	
						50: 2	76: 2	50: 2	23 AUG	2	4.0	9: 3	58: 20	61: 1	9: 3	58: 20	61: 3	76: 2		
14 AUG	1	6.0	58: 6						24 AUG	1	6.0	18: 6	76: 4	18: 6	18: 6	76: 4	18: 6	76: 4		
15 AUG	1	4.0	9: 1	10: 1	12: 2	93: 1	93: 1	10: 1	24 AUG	3	3.0	7: 4	18: 15	76: 4	7: 4	18: 15	19: 2	18: 15	19: 2	
15 AUG	2	4.0	2: 1	4: 2	9: 5	58: 17	90: 11	2: 1	24 AUG	1	4.0	9: 3	12: 4	93: 1	93: 1	9: 3	12: 4	58: 6		
15 AUG	2	4.5	3: 1	13: 1	17: 6	18: 15	24: 26	18: 15	25 AUG	2	4.0	9: 6	12: 4	58: 32	17: 6	12: 4	31: 2	54: 8		
					26: 5	26: 5	26: 5	26: 5	26 AUG	1	2.0	4: 2	31: 2	58: 12	4: 2	31: 2	54: 8	58: 12		
16 AUG	2	4.0	12: 4	58: 19		50: 1	54: 9	50: 1	26 AUG	1	4.0	9: 1	10: 5	93: 2	9: 1	10: 5	58: 12	54: 9		
16 AUG	1	4.0	9: 3	12: 4	36: 1	93: 9		12: 4	27 AUG	1	4.0	10: 1	36: 2	93: 1	10: 1	36: 2	93: 1	36: 2		
17 AUG	1	4.0							27 AUG	3	10.0	2: 3	6: 3	18: 84	18: 84	19: 4	26: 1	19: 4		
17 AUG	1	3.0	58: 26									42: 5	54: 4	42: 5	54: 4	76: 1	42: 5	54: 4	76: 1	
17 AUG	1	4.0	4: 4	12: 2	54: 1	58: 17	84: 1	84: 1	28 AUG	1	4.0	10: 1	36: 2	58: 17	58: 17	4: 4	36: 2	10: 1		
17 AUG	3	5.0	18: 40	19: 3	42: 4	54: 3	76: 15	54: 3	29 AUG	1	4.0	36: 3	58: 1	54: 3	36: 3	58: 1	16: 31	1: 43: 1		
18 AUG	1	3.0	4: 1	5: 1	9: 5	12: 4	31: 22	12: 4	30 AUG	1	3.0	4: 8	31: 5	54: 11	54: 11	92: 1	92: 1	54: 2		
18 AUG	1	3.5	4: 6	34: 1	54: 4	58: 24	61: 1	58: 24	30 AUG	1	3.0	4: 4	4: 4	58: 24	61: 1	4: 4	4: 4	4: 4		
18 AUG	2	4.0	12: 3	58: 11	84: 1	12: 3	58: 11	84: 1	31 AUG	3	6.0	4: 21	30: 160	30: 160	4: 21	30: 160	4: 21	30: 160		
18 AUG	1	4.0	10: 1	36: 1	93: 1	10: 1	36: 1	93: 1	31 AUG	1	3.0	4: 4	17: 1	4: 4	4: 4	17: 1	54: 9	54: 9		
19 AUG	1	8.0	9: 3	12: 1	58: 13							90: 5								
19 AUG	2	4.0	3: 1	58: 24					1 SEP	1	3.0	4: 4		4: 4	4: 4					
19 AUG	1	4.0	34: 2	54: 4	58: 27	84: 1		34: 2	1 SEP	1	4.0	9: 1	12: 3	4: 9	9: 1	12: 3	58: 9	58: 9		
19 AUG	3	5.0	18: 43	19: 2	54: 5	76: 6		54: 5	2 SEP	1	3.0	4: 9		9: 4	12: 12	9: 4	12: 12	58: 15		
20 AUG	1	3.0	9: 3	12: 2	31: 21				2 SEP	1	6.0	4: 2		4: 2	9: 1	4: 2	9: 1	12: 2		
20 AUG	1	7.0	43: 2	58: 8	61: 1							34: 9		34: 9	54: 5	34: 9	54: 5	84: 1		
20 AUG	2	4.0	9: 4	12: 2	58: 20							90: 14		90: 14						
20 AUG	2	4.0	17: 8	18: 35	20: 1	42: 3	50: 5	42: 3	3 SEP	1	3.0	4: 2	34: 6	4: 2	34: 6	54: 7	54: 7	34: 6		
						64: 1	76: 9	64: 1	3 SEP	1	8.0	9: 1	12: 6	9: 1	12: 6	36: 7	36: 7	36: 7		

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			93: 1	17: 12	18: 36	20: 2	50: 1	54: 11	76: 9	4: 12	34: 1	54: 1	9: 4	12: 3	58: 18		
3 SEP	1	8.0+											4.0	9: 4	12: 3	58: 18	
3 SEP	1	6.0	4: 10										3.0	4: 15	43: 4	76: 10	
3 SEP	2	4.0		17: 12	18: 36	20: 2							6.0	58: 14			
				50: 1	54: 11	76: 9							4.0	4: 1	58: 1	92: 3	
4 SEP	1	2.0		4: 12	34: 1	54: 1							4.0	4: 3	58: 6		
				90: 5									4.0	4: 2	43: 1	54: 2	
4 SEP	2	3.0		18: 30	19: 2	42: 7							7.0	17: 1	18: 34	76: 8	
				76: 15									6.0	4: 8	54: 4	58: 6	
5 SEP	1	3.0	4: 2	90: 11										70: 1	92: 1		
5 SEP	1	4.0	4: 4	12: 6	58: 8								4.0	4: 3	12: 6	18: 1	
5 SEP	2	4.0		17: 4	18: 35	20: 2							3.0	4: 6			
				26: 2	54: 6	76: 8							3.0	4: 2	31: 3	54: 3	
6 SEP	1	4.0		4: 1	12: 2	17: 3							5.0	4: 24	54: 8	90: 7	
				58: 1										92: 1			
6 SEP	1	4.0	18: 8	42: 2	76: 4								3.0	4: 4	31: 15	43: 2	
7 SEP	1	4.0		4: 22	12: 1	54: 4							4.0	4: 4	92: 1		
				90: 4									4.0	4: 1	12: 9	58: 12	
7 SEP	1	3.5		12: 1	45: 2	58: 16							6.0	4: 12	9: 4	12: 2	
				84: 1										31: 1	43: 3	54: 4	
7 SEP	1	4.0												90: 12			
7 SEP	2	4.0		17: 2	18: 22	20: 4							4.0	4: 1	9: 2	12: 2	
				50: 4	54: 9	76: 12								58: 25	84: 1		
8 SEP	2	4.0		17: 4	18: 20	20: 1							4.0	12: 4	17: 1	28: 7	
				26: 2	54: 4	76: 9								34: 3	54: 4	92: 1	
8 SEP	1	4.0		4: 31	54: 6	90: 9							6.0	18: 24	19: 3	26: 3	
				92: 2										42: 15	54: 1		
9 SEP	1	4.0		4: 21	54: 12	90: 7							8.0	4: 4	5: 1	17: 2	
				92: 1										58: 2	92: 1		
9 SEP	1	4.0		2: 1	4: 2	12: 5							4.0	18: 18	19: 1	20: 2	
				54: 3	70: 1									42: 6	50: 1		
9 SEP	2	4.0		17: 3	18: 37	20: 2							4.0	4: 3	5: 2	9: 1	
				26: 2	50: 3	54: 11								12: 6	58: 8		
				76: 14													
10 SEP	3	14.0		11: 1	13: 8	17: 4							4.0	4: 3	9: 3	12: 2	
				18: 95	20: 4	26: 210								43: 1	54: 3	58: 14	
				50: 22	54: 12	60: 1								3.0	4: 3	12: 6	31: 1
				76: 18											34: 2	35: 2	90: 9
10 SEP	1	2.0	9: 6	12: 4	31: 24								3.0	4: 1	12: 3	34: 2	
10 SEP	1	4.0		4: 9	12: 12	58: 3								54: 9	90: 4		
				92: 1											31: 5		
10 SEP	1	3.0	4: 4										4.0	18: 24	19: 4	20: 1	
11 SEP	1	2.0		4: 12	54: 9	90: 6								26: 5	42: 4	50: 3	
				92: 1													
11 SEP	1	7.0		4: 11	34: 1	43: 1							3.0	4: 5	12: 2	31: 2	
				54: 2	58: 1	92: 2								92: 5			
12 SEP	1	3.0		4: 2	54: 4	90: 7							5.0	4: 5	12: 4	17: 2	
				92: 3										29: 1	31: 1	54: 1	
														70: 1	90: 9		

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —														
			3:	2	8:	1	4 OCT	2				6.0+	76:	9	4 OCT	2	6.0	2:	1	18:	18	19:	1			
22 SEP	1	4.0	3:	2	8:	1			4 OCT	2	6.0+	76:	9													
23 SEP	1	4.0	3:	1	8:	9	11:	7	4 OCT	2	6.0	2:	1	18:	18	19:	1	42:	2							
					17:	1	58:	2	92:	1																
24 SEP	1	4.0							4 OCT	1	8.0	4:	2	13:	15	58:	2									
24 SEP	1	2.0	43:	3	54:	2	90:	15	5 OCT	2	7.0	3:	3	18:	24	42:	6									
24 SEP	1	3.0	4:	32					5 OCT	1	4.0	4:	4	9:	3	34:	7									
24 SEP	2	4.0	4:	2	8:	3	12:	4				43:	2	54:	21	90:	7									
					43:	2	58:	18	84:	1	5 OCT	2	4.0	3:	1	17:	25	18:	19							
24 SEP	1	6.0	4:	4	76:	4	92:	1				20:	1	26:	2	50:	1									
25 SEP	1	7.0	4:	2	9:	13	12:	2				54:	9	76:	14											
					17:	1	30:	7	34:	5	6 OCT	1	4.0	3:	2	4:	3	58:	20							
					54:	47	90:	17	92:	1		88:	1													
25 SEP	1	3.5	4:	7	12:	1	45:	2	7 OCT	1	3.0	4:	2	54:	4	90:	7									
					54:	3	58:	1		7 OCT	1	3.0	4:	25	9:	4	12:	3								
25 SEP	1	4.0	3:	2	5:	1	12:	9				31:	10	54:	6	92:	1									
					17:	1	58:	2	8 OCT	1	3.0	4:	15	9:	2	12:	1									
26 SEP	1	4.0	3:	6	5:	3	9:	4				31:	15	92:	2											
					12:	12			8 OCT	3	10.0	17:	21	18:	118	20:	2									
27 SEP	1	4.0	4:	3								50:	2	54:	18	76:	8									
27 SEP	1	4.0	4:	18	17:	1	30:	3	9 OCT	3	5.5	17:	13	18:	51	50:	1									
					34:	7	54:	23	90:	5		54:	7	76:	11											
					92:	2			9 OCT	2	1.0	18:	8													
27 SEP	2	4.0	3:	1	4:	2	58:	9	9 OCT	2	4.0	17:	1	36:	3	93:	1									
					88:	2			10 OCT	2	4.0	17:	3	58:	9											
28 SEP	1	4.0	4:	4	9:	3	30:	5	10 OCT	2	7.0	18:	46	20:	1	42:	3									
					34:	9	54:	3	90:	6		76:	9													
28 SEP	1	7.0	3:	14	34:	2	54:	1	11 OCT	1	3.5	4:	4	12:	2	42:	1									
					58:	4	92:	1			43:	1	58:	6	76:	2										
29 SEP	1	4.0	3:	1	4:	1	5:	1	11 OCT	2	4.0	15:	3	17:	1	58:	10									
					9:	3	12:	15		12 OCT	1	3.0	4:	2	54:	9										
29 SEP	2	4.0	17:	15	18:	24	54:	19	12 OCT	1	3.0	4:	9	31:	5	54:	3									
					76:	8			12 OCT	2	4.0	1:	9	3:	5	17:	22									
30 SEP	2	4.5	17:	44	18:	41	50:	1				18:	27	26:	1	50:	1									
					54:	4	76:	4			54:	7	76:	14												
30 SEP	1	4.0	4:	3	12:	6			13 OCT	1	3.0	4:	4	31:	2											
30 SEP	2	7.0	19:	19	76:	15			13 OCT	2	4.0	17:	4	58:	9											
1 OCT	2	4.0	4:	4	12:	3	58:	9	14 OCT	2	4.0	12:	3	17:	1	58:	4									
					88:	1					93:	1														
2 OCT	1	3.5	5:	6	12:	4	34:	1	14 OCT	1	3.0	4:	21	31:	6	54:	1									
					54:	1	58:	6		14 OCT	1	3.0	14:	1	54:	2	92:	2								
2 OCT	1	4.0	3:	6	4:	3	13:	6	14 OCT	1	3.0	4:	4	54:	17	90:	6									
					19:	2			15 OCT	1	4.0	4:	3	54:	3	58:	6									
2 OCT	2	4.0	3:	1	17:	18	18:	27				88:	1													
					20:	1	70:	1	76:	11	15 OCT	1	3.0	4:	11	9:	2	12:	1							
3 OCT	1	8.0	4:	2	13:	10	58:	6				31:	23													
3 OCT	1	7.0	7:	1	10:	1	29:	2	15 OCT	2	4.0	3:	1	17:	18	18:	24									
4 OCT	2	6.0	18:	41	20:	2	42:	1				50:	2	54:	13	64:	1									

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —									
			76: 11	3: 1	13: 3	16: 1	17: 12	18: 32	20: 1	26: 1	50: 2	54: 14	27 OCT	1	4.0	4: 1	17: 2	34: 2		
15 OCT	2	4.0+	76: 11											26 OCT	2	2.5+	54: 6	76: 15		
16 OCT	3	8.0	3: 1	13: 3	16: 1	17: 12	18: 32	20: 1						27 OCT	2	8.0	4: 1	17: 2	34: 2	
																	58: 9			
																		58: 19		
																			54: 1	
16 OCT	1	3.0	4: 3	31: 18	54: 2									28 OCT	1	3.0	54: 14	90: 3		
16 OCT	1	1.0	4: 1	54: 7	90: 3									28 OCT	2	3.0	7: 3	18: 6	19: 1	
16 OCT	1	3.5	54: 2	58: 8	92: 1												68: 1			
17 OCT	1	3.0	4: 3	54: 17	90: 8									28 OCT	2	4.0	14: 2	15: 3	19: 2	
17 OCT	1	3.5	4: 2	43: 1	54: 4												34: 1	58: 8		
17 OCT	2	2.0	9: 6	58: 7										29 OCT	1	4.0	4: 3	58: 17	70: 2	
17 OCT	2	4.0	4: 3	12: 2	15: 1									29 OCT	2	4.0	17: 16	18: 14	20: 3	
																	58: 6	26: 4	50: 2	54: 8
18 OCT	2	4.0	12: 4	15: 2	58: 10												76: 11			
18 OCT	2	6.0	18: 84	76: 5										30 OCT	3	7.5	1: 2	6: 1	16: 1	
19 OCT	1	6.0	4: 5	12: 7	34: 10												17: 11	18: 27	20: 2	
					54: 22	90: 11											26: 4	50: 5	54: 9	
19 OCT	1	2.0	4: 5	31: 1	92: 1												76: 13			
21 OCT	2	4.0	3: 3	9: 5	12: 4									30 OCT	2	4.0	3: 7	8: 1	12: 2	
					58: 9												17: 2	20: 1	76: 2	
21 OCT	2	4.0	9: 2	12: 4	58: 14									31 OCT	1	3.0	4: 4	9: 3	34: 3	
					93: 1												54: 8			
22 OCT	2	4.0	9: 2	12: 6	17: 3									1 NOV	1	3.0	4: 4	9: 3	12: 2	
					58: 11	93: 1											31: 23			
22 OCT	1	3.0	4: 2	9: 5	12: 3									2 NOV	1	2.0	4: 1	9: 6	31: 10	
					31: 23												4: 2	9: 5	17: 1	
22 OCT	3	15.0	2: 2	17: 24	18: 58												31: 4	54: 9		
					20: 4	26: 19	50: 3							2 NOV	1	4.0	7: 1	9: 3	15: 2	
					54: 29	76: 13											58: 6			
23 OCT	3	7.0	17: 21	18: 34	20: 1									3 NOV	2	4.0	17: 19	18: 10	26: 2	
					26: 2	50: 1	54: 7										50: 1	54: 6	76: 9	
					76: 11									4 NOV	3	10.5	1: 3	3: 1	17: 3	
23 OCT	1	3.0	4: 3	7: 1	9: 4												18: 45	20: 3	26: 3	
					12: 2	31: 15											50: 1	54: 17	76: 14	
23 OCT	1	4.0	34: 2	76: 2										4 NOV	2	4.0	17: 2	58: 17		
23 OCT	2	4.0	5: 1	12: 3	19: 1									4 NOV	2	6.0	17: 1	18: 126	20: 1	
					58: 14												42: 2	76: 5		
24 OCT	1	3.0	4: 5	31: 3	34: 4									5 NOV	2	3.0	3: 3	6: 3	18: 5	
					90: 7												19: 2			
24 OCT	1	4.0	4: 6	9: 3	58: 11									5 NOV	3	6.0	17: 2	18: 29	20: 1	
25 OCT	1	3.0	4: 2	9: 6	12: 3												26: 2	50: 3	54: 14	
					31: 23												76: 8			
26 OCT	1	4.0	4: 2	12: 4	58: 21									6 NOV	2	3.5	3: 1	17: 1	20: 1	
26 OCT	2	4.0	4: 1	9: 3	34: 1												34: 4	42: 1	70: 1	
					58: 11									6 NOV	1	4.0	4: 1	12: 3	15: 2	
26 OCT	2	2.5	6: 1	12: 1	17: 11												58: 14			
					18: 22	20: 1	50: 2							7 NOV	1	4.0	4: 2	12: 6	17: 4	

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
7 NOV	1	4.0+	58:	9			16 NOV	1	3.0+	54:	6				
7 NOV	2	3.0	12:	2	17:	2	16 NOV	2	4.0	17:	19	18:	16		
7 NOV	1	2.0	34:	5	54:	9	90:	3		26:	4	42:	11		
8 NOV	1	7.0	4:	3	12:	1	31:	14		54:	9	76:	12		
			43:	2	54:	2			17 NOV	2	5.0	8:	1		
8 NOV	1	3.0	4:	2	9:	8	17:	1		17 NOV	1	4.0	31:	10	
			34:	9	54:	27	90:	5		17 NOV	1	4:	11	12:	
8 NOV	1	3.0	4:	15	9:	2	12:	1		17 NOV	1	8.0	4:	1	
			31:	10						17 NOV	1	17:	4	58:	
8 NOV	4	4.0	3:	6	5:	1	12:	9	18 NOV	1	8.0	4:	6	6:	
8 NOV	2	4.0	18:	28	19:	4	26:	2	18 NOV	1	3.0	4:	3	9:	
			50:	1	54:	9	76:	11				34:	1	11	
9 NOV	1	4.0	4:	1	17:	5	58:	10	18 NOV	2	4.5	17:	2	18:	
10 NOV	1	4.0	17:	11	58:	2					26:	2	42:	8	50:
10 NOV	1	3.0	4:	2	9:	7	34:	5			54:	22	76:	10	2
			54:	18	90:	3			19 NOV	2	4.5	3:	4	6:	1
10 NOV	3	8.0	3:	1	17:	2	18:	36			18:	12	20:	1	26:
			26:	2	50:	1	54:	22			42:	12	50:	8	18:
			76:	17							76:	20			
11 NOV	3	6.0	17:	3	18:	19	50:	1	19 NOV	1	4.0	4:	17	9:	2
			54:	6	76:	9			19 NOV	1	4.0	12:	3	17:	3
11 NOV	1	2.0	17:	2	54:	11			20 NOV	2	3.5	19:	1	20:	1
11 NOV	1	3.5	31:	2	92:	1					54:	2			
11 NOV	1	4.0	3:	4	5:	2	12:	9	20 NOV	1	3.0	4:	2	9:	2
12 NOV	1	4.0	17:	2	58:	14					19:	1	31:	6	
12 NOV	1	3.0	4:	2	9:	6	12:	2	21 NOV	1	6.0	4:	5	7:	7
			31:	15							12:	7	31:	68	26:
12 NOV	2	4.0	12:	1	16:	2	17:	3			43:	1	90:	8	94:
			18:	14	20:	2	26:	1	21 NOV	1	4.0	12:	3	15:	2
13 NOV	2	3.0	3:	15	7:	6					58:	14			
13 NOV	1	3.5	4:	4	12:	1	31:	7	22 NOV	1	4.0	17:	1	58:	9
			34:	2	43:	2	54:	1	22 NOV	1	2.0	9:	14	12:	8
14 NOV	2	7.0	2:	1	18:	34	20:	1			34:	2	35:	1	
14 NOV	1	4.0	4:	6	9:	2	54:	2	22 NOV	2	4.5	16:	4	17:	35
			58:	9							20:	14	42:	6	18:
14 NOV	1	4.0	12:	3	17:	1	58:	24			76:	10			
15 NOV	1	4.0	3:	1	4:	3	12:	5	23 NOV	2	4.5	16:	4	17:	36
			58:	16							20:	8	42:	10	18:
15 NOV	1	4.0	4:	4	9:	1	12:	1			76:	7			
			54:	1	58:	11			23 NOV	1	5.0	4:	2	31:	8
15 NOV	1	6.0	4:	3	9:	14	12:	3			45:	2			
			17:	2	31:	22	34:	4	23 NOV	1	3.0	4:	3	9:	4
			45:	2					23 NOV	1	4.0	4:	2	12:	12:
15 NOV	1	7.0	4:	8	31:	1	34:	1			58:	19			
			54:	2	92:	1			24 NOV	1	3.0	4:	6	9:	4
16 NOV	1	7.5	31:	3	45:	7	61:	2			31:	8			
16 NOV	1	3.0	4:	1	34:	2	43:	4	24 NOV	1	4.0	9:	10	12:	6
															31:

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED					HOURS FISHED				
		— CATCH PER SPECIES —					— CATCH PER SPECIES —				
24 NOV	1	4.0+	54: 14				1 DEC	1	5.0+	43: 1	90: 5
25 NOV	1	7.5	4: 1	31: 14	43: 1		1 DEC	1	4.0	4: 1	34: 8
			70: 1				1 DEC	1	4.0	3: 3	5: 4
25 NOV	1	3.0	4: 13	9: 20	12: 3					17: 2	
			31: 4	54: 24			1 DEC	2	4.5	3: 1	16: 2
25 NOV	2	4.5	3: 1	16: 1	17: 3					18: 11	20: 4
			18: 2	20: 6	54: 24					54: 24	76: 10
			76: 11				2 DEC	2	8.0	17: 108	18: 8
26 NOV	3	11.5	6: 1	12: 1	16: 1					20: 3	
			17: 26	18: 12	20: 2		2 DEC	1	4.0	58: 16	
			26: 4	42: 3	54: 24		2 DEC	2	5.0	18: 66	20: 1
			76: 9				2 DEC	1	4.0	4: 23	54: 2
26 NOV	1	3.0	4: 15	9: 2	12: 2		3 DEC	1	4.0	4: 31	12: 2
			31: 7				3 DEC	1	4.0	4: 1	17: 2
26 NOV	1	6.0	4: 2	7: 4	9: 21		3 DEC	2	4.0	1: 2	16: 4
			12: 7	31: 11	90: 8					18: 21	20: 8
			94: 14							54: 14	76: 10
26 NOV	1	4.0	4: 1	12: 2	17: 3		4 DEC	2	4.5	3: 1	6: 1
			58: 17							17: 29	
27 NOV	1	4.0	4: 9	9: 3	58: 10					18: 15	20: 4
27 NOV	1	3.0	9: 5	31: 13			4 DEC	1	4.0	7: 4	34: 12
27 NOV	3	8.0	13: 1	16: 2	17: 19					45: 4	
			18: 8	20: 3	26: 4		4 DEC	1	2.0	54: 2	
			42: 4	50: 1	54: 22					31: 1	
			76: 12				5 DEC	1	4.0	6: 1	34: 2
28 NOV	2	4.5	6: 1	12: 1	16: 2		6 DEC	1	4.0	4: 8	34: 3
			17: 23	18: 14	20: 3		7 DEC	1	6.0	9: 22	12: 12
			26: 2	42: 8	54: 19					17: 1	
			76: 16				8 DEC	1	4.0	31: 8	90: 7
28 NOV	1	4.0	4: 6	9: 2	54: 3					94: 5	
			58: 8				9 DEC	1	4.0	4: 19	19: 1
29 NOV	1	6.0	4: 1	7: 6	9: 65		9 DEC	1	4.0	34: 1	58: 8
			12: 14	17: 2	31: 16		9 DEC	1	4.0	7: 1	17: 1
			34: 5	54: 11	70: 1		10 DEC	1	4.0	4: 22	58: 2
			90: 8	94: 13			10 DEC	2	4.0	16: 2	17: 32
										18: 3	
29 NOV	1	4.0	4: 1	17: 1	58: 29		11 DEC	2	4.0	20: 3	54: 9
29 NOV	2	4.5	17: 11	18: 5	20: 2					76: 7	
			42: 3	50: 1	54: 10		12 DEC	1	4.0	42: 4	50: 3
			76: 7				13 DEC	1	4.0	4: 19	34: 3
30 NOV	2	4.5	16: 3	17: 31	18: 18		13 DEC	1	3.0	4: 2	9: 21
			20: 3	42: 10	54: 21					12: 3	
			76: 12				14 DEC	1	5.0	92: 1	
30 NOV	1	4.0	58: 43							4: 6	9: 18
30 NOV	1	4.0	4: 11	12: 1	54: 2					12: 5	
			58: 7				14 DEC	1	4.0	31: 6	34: 8
										54: 16	
1 DEC	1	5.0	4: 1	7: 3	9: 21		14 DEC	2	4.0	92: 2	
			12: 6	31: 38	34: 4					4: 13	
							14 DEC	2	4.0	17: 11	18: 2
										20: 2	
										29: 8	

APPENDIX TABLE 16 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
15 DEC	1	4.0	4:	17	34:	2	54:	1	27 DEC	2	4.0+	76:	19			
16 DEC	1	4.0	4:	11	34:	1	54:	4	28 DEC	2	4.0	16:	2	17:	12	
16 DEC	1	6.0	4:	1	9:	5	17:	3			20:	3	76:	11		
			31:	2	34:	26	54:	21	28 DEC	1	3.0	4:	5	9:	2	
17 DEC	1	4.0	4:	14	34:	2	54:	6			34:	1	54:	2		
18 DEC	2	4.0	3:	2	16:	3	17:	24	28 DEC	1	3.5	45:	7	70:	1	
			18:	11	20:	4	50:	1	28 DEC	1	5.0	34:	88			
			54:	8	76:	15			29 DEC	1	7.0	4:	3	31:	6	
19 DEC	1	4.0	4:	18	34:	2	58:	6			54:	7	92:	1		
			70:	1					29 DEC	1	6.0	4:	8	9:	4	
19 DEC	1	6.0	3:	1	4:	2	7:	8			31:	15	34:	2	54:	4
			9:	47	31:	41	43:	1	29 DEC	2	4.0	16:	3	17:	26	
			94:	27							20:	2	76:	14		
20 DEC	1	4.0	4:	11	34:	2	58:	4	30 DEC	1	6.0	4:	4	9:	5	
21 DEC	1	4.0	4:	29	34:	1	58:	4			31:	16	34:	1	54:	6
			70:	2					30 DEC	2	7.0	17:	1	18:	2	
21 DEC	2	5.0	7:	20	12:	16	17:	4			58:	8				
			18:	1	34:	12	54:	18	31 DEC	1	7.0	5:	4	31:	2	
			88:	2							54:	2				
21 DEC	1	3.0	4:	7	12:	3	54:	4								
			58:	6	92:	14										
22 DEC	1	3.0	7:	5	12:	6	17:	5								
			54:	7	76:	15										
22 DEC	1	4.0	4:	16	34:	3	58:	1								
			70:	1												
22 DEC	2	4.0	2:	2	6:	1	13:	9								
			54:	12	76:	3										
23 DEC	2	4.0	16:	12	17:	21	18:	13								
			20:	1	50:	1	54:	9								
			76:	14												
23 DEC	1	5.0	4:	1	7:	7	9:	34								
			12:	11	17:	3	31:	19								
			34:	3	70:	2	94:	15								
23 DEC	1	3.0	4:	5	9:	3	12:	4								
			58:	15												
24 DEC	1	4.0	4:	27	34:	1	58:	3								
			70:	1												
26 DEC	1	7.0	4:	9	12:	2	31:	18								
			34:	6	43:	1	54:	1								
			92:	2												
27 DEC	1	5.0	34:	72												
27 DEC	1	7.5	3:	1	4:	4	12:	1								
			34:	14												
27 DEC	1	3.0	4:	3	9:	4	12:	3								
			31:	6	34:	3	54:	1								
27 DEC	2	4.0	2:	1	16:	9	17:	22								
			18:	11	20:	4	50:	2								

APPENDIX TABLE 17. LOGGED 1983 TROLLING CATCH AND EFFORT FROM WEST FLORIDA

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —			
			6:	3:	12:	3				6:	1:	3:	6:
1 APR	6	6.0	6:	3	12:	3	26 APR	2	3.0	12:	6		
2 APR	2	3.0	17:	1			26 APR	2	4.0	1:	3	3:	6:
4 APR	2	4.5	6:	1	12:	2				7:	5		
4 APR	3	3.0	6:	6			27 APR	2	3.0	3:	3	7:	4
5 APR	2	2.0	3:	1			27 APR	2	2.5	1:	1	7:	1
6 APR	6	5.5	1:	1	13:	12	28 APR	2	3.0	3:	2	7:	2
6 APR	2	2.0	1:	1	6:	3	29 APR	2	3.0	3:	2	17:	2
6 APR	2	2.0					29 APR	2	4.0	1:	3	3:	3
7 APR	2	6.0	3:	9	6:	1				7:	3		
8 APR	2	6.0	3:	12	6:	1	7:	3	30 APR	2	2.0	12:	6
			11:	1	17:	9			30 APR	2	2.5	3:	2
8 APR	2	3.0	3:	6			30 APR	2		1.0			
11 APR	2	7.0	1:	1	3:	8	12:	4	1 MAY	2	3.0	1:	4
12 APR	2	2.5	1:	2	3:	3	6:	1	2 MAY	2	8.0	3:	3
			7:	2					3 MAY	6	6.5	1:	3
12 APR	2	2.5	1:	1	3:	1	6:	5			6:	1	7:
13 APR	2	6.0	3:	3	6:	7	17:	3	3 MAY	2	3.0	1:	1
13 APR	2	7.0	1:	23	3:	3	6:	2	4 MAY	2	3.0	3:	2
13 APR	2	2.0	3:	2	7:	4			4 MAY	2	2.0	1:	6
13 APR	2	2.0	1:	3							6:	2	
14 APR	1	2.0	9:	4					5 MAY	2	3.0	3:	4
14 APR	2	3.0	3:	4	6:	1	7:	3	5 MAY	2	2.5	1:	1
14 APR	2	7.0	1:	15	3:	6	6:	2	6 MAY	6	4.5	1:	3
			19:	1							7:	4	11:
15 APR	2	1.5	3:	2					7 MAY	6	4.5	1:	2
18 APR	2	6.0	1:	6	3:	1	6:	1			7:	8	
			7:	1	12:	4	67:	1	8 MAY	2	2.0	3:	2
18 APR	6	6.0	1:	8	6:	4	11:	1	8 MAY	2	2.0	1:	1
			12:	1	13:	1			9 MAY	2	2.5	1:	1
19 APR	2	3.0	1:	4	3:	6	6:	1	11 MAY	2	3.0	3:	4
			7:	3					11 MAY	2	3.0	1:	1
20 APR	2	2.5	1:	2	3:	3	7:	4			7:	5	
20 APR	2	6.0	1:	4	3:	1	6:	1	12 MAY	2	2.5	3:	3
			12:	10					13 MAY	2	3.0	3:	2
20 APR	6	6.0	1:	2	3:	1	6:	3	13 MAY	2	1.0	1:	2
			11:	1	12:	4	13:	1	13 MAY	6	4.5	1:	1
21 APR	6	6.0	1:	1	2:	3	3:	8			7:	8	
			12:	2					14 MAY	6	6.5	1:	3
21 APR	2	3.0	1:	3	3:	4	6:	2			7:	6	23:
			7:	1					14 MAY	2	3.0	1:	1
21 APR	2	0.5							15 MAY	2	3.0	1:	1
22 APR	2	6.5	1:	1	6:	2	17:	1	15 MAY	6	4.5	3:	1
22 APR	2	3.0	1:	1	3:	5	7:	4	15 MAY	2	2.0	7:	4
22 APR	6	3.5	2:	3					16 MAY	2	2.0	3:	3
22 APR	2	3.5	3:	3	7:	3			17 MAY	6	5.0	3:	2
23 APR	2	2.0									13:	2	
25 APR	2	2.5	1:	2	3:	1	7:	4	18 MAY	2	7.0	1:	2
											3:	10	6:
											2		2

APPENDIX TABLE 17 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				
			7: 15	1: 1	3: 2	7: 1	11: 1				23: 1	6: 4	7: 8	1: 2	3: 4
18 MAY	2	7.0+						14 JUN	2	6.0+	11: 2				
18 MAY	2	1.5	1: 1	3: 2	7: 1			15 JUN	6	6.5	1: 1	3: 4	6: 5		
19 MAY	2	2.0	3: 3								7: 3	11: 2	13: 1		
19 MAY	2	6.0	1: 2	3: 2	11: 1			16 JUN	2	3.0	3: 2	7: 1			
						23: 1		17 JUN	2	2.0	1: 3	3: 3	6: 1		
19 MAY	2	3.0	3: 3	6: 4	7: 8						11: 1				
19 MAY	2	4.0	3: 2					17 JUN	6	6.5	1: 1	3: 15	6: 5		
19 MAY	2	4.0	3: 4	7: 3	15: 1						7: 4	11: 3			
20 MAY	2	3.0	3: 5	7: 12	12: 1			18 JUN	2	2.5	3: 4	6: 7	7: 5		
20 MAY	2	3.0	3: 1	11: 1							11: 3				
21 MAY	2	6.5	3: 10	6: 1	7: 12			18 JUN	2	6.0	1: 1	3: 7	6: 1		
						11: 1	12: 1	68: 1			8: 4	11: 1			
22 MAY	2	4.0	3: 8	7: 6	17: 2			19 JUN	2	3.0	3: 10	6: 2	7: 3		
22 MAY	2	2.0	3: 5	11: 1	12: 1						11: 2	12: 1			
22 MAY	2	3.0	1: 2	3: 8	7: 4			19 JUN	2	4.5	3: 12	6: 20	7: 5		
23 MAY	2	2.0	1: 1	3: 9	6: 1						11: 1	68: 1			
24 MAY	2	3.5	3: 1	6: 2	7: 6			20 JUN	2	3.0	3: 8	6: 3	11: 3		
						9: 2	17: 1		22 JUN	2	6.0	3: 6	6: 4	7: 3	
25 MAY	2	3.0	3: 1	7: 14	17: 2						11: 2	17: 1			
26 MAY	2	2.5	3: 10	6: 8	7: 15			25 JUN	2	5.0	3: 12	10: 2			
27 MAY	2	4.5	3: 3	7: 6	11: 2			25 JUN	6	6.5	3: 35	6: 7	7: 3		
						13: 1					11: 1				
27 MAY	2	4.0	1: 2	3: 12	6: 2			26 JUN	2	7.0	3: 31	6: 3			
						7: 6		27 JUN	2	7.0	3: 7	7: 3	11: 2		
28 MAY	2	2.5	3: 1	12: 1							12: 1				
28 MAY	2	4.0	3: 3	7: 3				28 JUN	2	3.0	3: 3	7: 2	11: 1		
2 JUN	2	2.0	3: 6	11: 2							12: 1				
3 JUN	1	3.5	4: 3	12: 2	58: 3			29 JUN	2	3.0	3: 3	7: 3	11: 1		
3 JUN	2	2.5	3: 2	7: 4	11: 1			30 JUN	2	3.0	3: 6	6: 2	7: 3		
4 JUN	6	6.5	1: 1	3: 4	7: 5			30 JUN	2	3.0	3: 3	11: 1			
						11: 4	13: 2		1 JUL	3	14.5	11: 2			
5 JUN	2	3.0	11: 2					2 JUL	3	14.5	6: 1	23: 1	24: 1		
7 JUN	2	1.5	1: 1	3: 2	7: 4			3 JUL	3	4.5	6: 1				
7 JUN	2	1.5	7: 2	11: 1				3 JUL	3	24.0	22: 2	23: 2	24: 2		
9 JUN	3	5.0	6: 1	11: 1	13: 12						38: 1				
						23: 1			5 JUL	2	2.5	3: 10	6: 2	7: 3	
10 JUN	3	3.0									11: 2	12: 1			
11 JUN	2	4.5	1: 2	3: 11	7: 6			6 JUL	6	5.5	1: 1	3: 7	11: 1		
						11: 1		8 JUL	2	6.0	3: 5	7: 5	11: 3		
12 JUN	2	2.5	1: 11	3: 4	6: 1						13: 2				
						7: 4	11: 1		8 JUL	2	3.5	3: 3	7: 4	8: 2	
12 JUN	2	6.0	1: 2	3: 5	6: 1						11: 3	12: 5			
						7: 3	11: 3		9 JUL	2	2.5	3: 6	6: 3	7: 2	
13 JUN	6	6.5	1: 5	3: 2	6: 10						11: 1				
						7: 3	11: 4	12: 2	9 JUL	6	4.5	1: 4	3: 11	6: 4	
						68: 1					11: 3				
14 JUN	2	6.0	1: 1	3: 3	6: 1			10 JUL	2	3.0	1: 2	3: 5	6: 1		

APPENDIX TABLE 17 (CONTINUED).

DATE	ZONE	HOURS FISHED						HOURS FISHED					
		— CATCH PER SPECIES —						— CATCH PER SPECIES —					
10 JUL	2	3.0+	13:	1				10 AUG	2	2.5	1:	4	3: 9 6: 8
11 JUL	2	2.5	3:	2	7: 3			12 AUG	3	14.0	22:	2	24: 9 36: 2
13 JUL	2	6.0	1:	1	3: 15	6: 1		13 AUG	3	12.0	6:	8	11: 1 22: 2
			11:	3	54: 1			13 AUG	2	3.0	1:	1	6: 1 7: 1
13 JUL	2	6.0	1:	1	3: 28	6: 1		14 AUG	3	5.0	6:	4	13: 1
			11:	2				14 AUG	3		1:	1	3: 16 6: 18
14 JUL	6	6.5	1:	7	3: 18	6: 1		17 AUG	6	6.5	1:	1	3: 16 6: 18
			11:	3							11:	5	
14 JUL	2	4.0	3:	15	8: 3	9: 1		17 AUG	2	6.0	1:	1	3: 6 6: 1
			11:	2							7:	3	9: 2 11: 2
15 JUL	2	6.0	1:	10	3: 25	6: 2		20 AUG	6	7.0	3:	40	6: 4 11: 1
16 JUL	6	5.0	3:	14	6: 3			25 AUG	2	3.0	3:	2	8: 10
17 JUL	6	6.5	3:	27				27 AUG	2	3.5	3:	6	6: 1 11: 1
18 JUL	2	2.5	3:	16	6: 1	11: 1		28 AUG	2	3.0	3:	9	7: 1
18 JUL	2	2.5	3:	6	6: 2			31 AUG	2	3.5	3:	4	7: 2 9: 5
18 JUL	2	2.5	3:	6	7: 2	8: 1					12:	1	
19 JUL	2	6.0	1:	5	3: 8	6: 6		4 SEP	2	3.0	1:	1	3: 3 6: 1
			11:	1				5 SEP	2	3.0	1:	2	3: 2 6: 1
20 JUL	2	2.5	3:	4	6: 2	11: 1		5 SEP	2	2.0	3:	9	6: 1
21 JUL	2	2.5	1:	2	3: 4	9: 3		6 SEP	2	6.0	1:	1	3: 5 7: 2
22 JUL	6	4.5	3:	22							11:	3	12: 1
23 JUL	2	3.0	3:	6	9: 2			8 SEP	2	6.5	3:	14	6: 14 11: 2
24 JUL	6	6.5	3:	5	6: 10	11: 1					24:	2	
			13:	1				8 SEP	2	5.0	3:	16	6: 6 7: 3
25 JUL	2	3.5	3:	21	6: 3	7: 1					11:	2	12: 2
26 JUL	2	6.0	3:	8	6: 5	11: 1		10 SEP	2	2.5	3:	8	11: 1
27 JUL	2	3.0	11:	2				11 SEP	2	7.0	3:	12	7: 1 12: 1
27 JUL	2	2.5	3:	10				13 SEP	2	3.0	3:	6	6: 3 7: 1
28 JUL	6	6.5	1:	1	2: 1	3: 6					11:	1	
			6:	2	11: 1			13 SEP	2	5.0	3:	17	6: 7 9: 2
28 JUL	2	3.0	3:	4	6: 1	11: 1					12:	4	
28 JUL	2	2.5	3:	3	9: 2			13 SEP	2	2.5	3:	8	6: 4 7: 3
29 JUL	2	3.0	3:	8	6: 3	11: 2		15 SEP	2	7.0	3:	4	6: 13 7: 6
1 AUG	2	3.0	1:	1	3: 7	6: 3					11:	2	12: 1
			9:	3				15 SEP	2	2.5	1:	1	3: 8 6: 3
2 AUG	2	2.5	3:	2	7: 1	11: 1		16 SEP	2	3.0	3:	6	6: 2 68: 4
2 AUG	2	3.0	1:	2	3: 6	6: 2		17 SEP	2	5.0	1:	2	3: 7 6: 5
			9:	1	11: 2						7:	3	11: 3
3 AUG	2	3.0	3:	10	6: 4	11: 1		17 SEP	2	5.0	3:	4	6: 4 7: 3
3 AUG	2	1.0	6:	2							11:	2	
4 AUG	2	6.0	3:	15	6: 5	11: 3		20 SEP	2	6.5	1:	2	3: 8 6: 2
			17:	2							7:	6	11: 2
5 AUG	2	2.5	1:	1	3: 7	6: 3		21 SEP	2	3.5	3:	20	6: 12 7: 12
6 AUG	2	3.5	3:	6	8: 3	11: 1					9:	3	13: 1
9 AUG	2	3.0	3:	1	6: 1	11: 1		22 SEP	2	2.5	3:	3	6: 4 7: 6
			12:	2							12:	3	
10 AUG	2	3.0	6:	1	11: 2			23 SEP	2	3.0	3:	5	6: 3 11: 1

APPENDIX TABLE 17 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
24 SEP	2	3.0	3:	4	6:	2		3 NOV	2	4.0	1:	6	3:	12	17:	1	
24 SEP	2	3.5	3:	6	6:	2	7:	4	4 NOV	2	4.0	1:	12	3:	52		
			12:	6				6 NOV	2	8.0	15:	3	17:	10	76:	5	
25 SEP	2	2.5	3:	4	6:	1	7:	12	7 NOV	2	4.0	1:	1	3:	27	17:	1
27 SEP	2	3.0	3:	3	6:	1	11:	2	8 NOV	2	4.0	1:	1	3:	4		
			12:	2				9 NOV	2	2.0	17:	1					
28 SEP	2	3.0	3:	6	6:	2	11:	2	14 NOV	2	3.0	3:	20				
			12:	1				15 NOV	6	6.5	3:	10					
29 SEP	2	4.5	3:	3	6:	4	11:	2	15 NOV	2	2.0	1:	1	3:	2	6:	4
30 SEP	2	3.5	1:	2	3:	2	6:	3	17 NOV	2	2.5	3:	1				
			11:	3				19 NOV	2	2.0	1:	2	3:	1	6:	2	
30 SEP	2	3.0	3:	5	6:	3	11:	1	22 NOV	2	2.5	1:	2	6:	3		
30 SEP	2	2.5	8:	3	11:	1			22 NOV	6	3.0	3:	2				
1 OCT	2	3.0	3:	3	6:	2	7:	16	23 NOV	6	3.5	3:	17				
1 OCT	2	6.5	1:	2	3:	9	6:	7	25 NOV	2	2.0	1:	1	3:	1	6:	2
			11:	1	15:	1	17:	1	26 NOV	2	4.5	1:	5	6:	6		
4 OCT	2	3.5	1:	1	3:	24	6:	18	28 NOV	2	6.0	1:	4	3:	2	6:	9
			7:	4	17:	1			30 NOV	2	2.5						
6 OCT	2	4.0	1:	2	3:	9	6:	1	2 DEC	3	4.0	1:	2	6:	8		
8 OCT	2	4.0	1:	2	3:	9	6:	3	4 DEC	2	2.5	1:	10	6:	4		
9 OCT	2	2.5	3:	10	6:	2	12:	1	5 DEC	2	2.0	1:	14	6:	1		
11 OCT	2	4.0	1:	1	3:	18	6:	8	5 DEC	3	2.5	1:	32	6:	40		
12 OCT	2	4.0	3:	9	6:	13	7:	3	7 DEC	2	6.0	1:	37	6:	6		
			12:	4					9 DEC	3	3.5	1:	11	6:	50		
12 OCT	2	5.0	1:	1	3:	4	6:	6	11 DEC	2	3.0	1:	2	3:	1	6:	3
			7:	2	11:	1			19 DEC	2	2.0	1:	3				
13 OCT	2	3.0	2:	1	3:	2	6:	3	19 DEC	2	0.5						
16 OCT	2	4.0	3:	7					23 DEC	6	2.0	1:	4	6:	1		
17 OCT	2	5.5	3:	1					23 DEC	2	3.0	1:	4	6:	2		
18 OCT	2	5.5	1:	1	3:	6	6:	1	26 DEC	2	1.0						
			7:	2	12:	5			28 DEC	2	6.0	6:	14				
18 OCT	2	4.0	3:	3	12:	1											
20 OCT	2	2.0	3:	12													
21 OCT	2	4.0	3:	20	12:	1											
22 OCT	2	7.0	1:	2	3:	1	19:	5									
22 OCT	2	4.0	3:	22	6:	1											
23 OCT	2	7.0	1:	2	3:	31	4:	1									
			40:	1													
24 OCT	2	5.5	3:	6	7:	2											
25 OCT	2	5.5	3:	3	7:	1	12:	4									
25 OCT	2	2.0	1:	1	3:	7											
28 OCT	3	4.0	1:	2	3:	10	6:	2									
30 OCT	2	3.0	3:	3													
31 OCT	2	4.0	1:	4	3:	19	6:	1									
1 NOV	2	7.5	1:	6	3:	22	6:	2									
2 NOV	2	1.0	3:	4													
2 NOV	2	2.5	3:	4	7:	2											

APPENDIX TABLE 18. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM WEST FLORIDA

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			15:	4	17:	6	20:	1				15:	2	17:	8	18:	1
29 MAR	2	4.0	15:	4	17:	6	20:	1	30 APR	3	3.0	15:	2	17:	8	76:	10
			76:	6					30 APR	2	4.0	18:	1	19:	4		
30 MAR	2	7.0	15:	6	17:	19	76:	25	1 MAY	3	5.0	15:	1				
1 APR	3	0.5	6:	1	17:	1	77:	1	3 MAY	1	7.0	3:	1	4:	1	7:	5
3 APR	2	5.5	36:	1							9:	3	12:	4	58:	3	
4 APR	1	3.0	4:	1	31:	2	34:	2				70:	1	84:	2		
4 APR	3	3.0	17:	3					5 MAY	1	3.5	4:	2	7:	3	9:	1
5 APR	3	5.0	12:	1	13:	19	19:	10				34:	3				
5 APR	1	3.0	31:	9					6 MAY	2	6.0	17:	6				
6 APR	1	7.0	4:	2	5:	1	9:	5	6 MAY	1	7.0	4:	1	9:	4	12:	5
			12:	4	31:	5	84:	1				58:	26				
6 APR	2	3.0	13:	9	19:	8			7 MAY	1	3.5	9:	3	12:	2	58:	9
6 APR	2	4.0	15:	5	85:	6						84:	1				
6 APR	2	5.5	36:	1					8 MAY	1	3.5	3:	1	108:	8		
7 APR	3	3.0	13:	8	14:	1	16:	1	8 MAY	2	6.0	7:	3	15:	12	19:	3
			19:	4	54:	3						20:	6	29:	2	76:	10
7 APR	1	7.0	4:	1	34:	6			9 MAY	1	3.5	3:	18	7:	2	108:	3
11 APR	1	3.0	9:	3	12:	2	34:	7	10 MAY	2	3.5	7:	4	15:	6	17:	7
11 APR	2	7.0	95:	1								18:	1	20:	2	76:	14
12 APR	1	3.5	9:	5	31:	12						77:	3				
13 APR	1	3.0	5:	1	34:	2	84:	1	11 MAY	1	7.5	3:	6	7:	5	9:	3
14 APR	1	7.0	31:	4	34:	7	43:	6				88:	2	108:	1		
14 APR	1	2.0	15:	4	19:	6	77:	1	12 MAY	1	7.5	9:	12	12:	5	31:	7
			78:	6					13 MAY	3	4.5	13:	10	17:	15	54:	3
15 APR	1	3.0	4:	1					13 MAY	1	7.5	5:	1	9:	20	31:	7
18 APR	1	7.0	5:	7	9:	15	12:	7				108:	2				
			28:	10	43:	1			14 MAY	1	3.5	31:	3	108:	6		
19 APR	1	3.5	5:	3	9:	2	12:	5	14 MAY	3	9.0	6:	2	14:	2	16:	8
			28:	6								17:	40	18:	6	50:	10
21 APR	1	3.5	5:	1	9:	5	12:	3	15 MAY	3	3.0	11:	1	13:	6		
			28:	1	84:	1			15 MAY	1	3.5	5:	1	58:	1	70:	1
21 APR	3	4.0	13:	12	14:	5	16:	2				84:	2				
22 APR	1	7.0	9:	11	12:	7	28:	12	15 MAY	2	6.0	2:	1	15:	10	85:	6
									16 MAY	1	3.5	9:	1	12:	2	58:	10
22 APR	3	2.0	12:	1	13:	23						84:	2				
26 APR	1	7.0	9:	17	12:	8	31:	32	17 MAY	1	4.0	92:	1				
									18 MAY	1	3.5	84:	2				
26 APR	3	2.0	12:	5	17:	3			21 MAY	3	8.0	14:	2	16:	4	17:	19
27 APR	1	7.0	9:	11	12:	4	31:	5				18:	4	54:	4		
									24 MAY	1	3.5	7:	4	9:	2	12:	1
27 APR	2	6.0	3:	1	6:	1	7:	8				58:	6	84:	2		
									25 MAY	3	6.0	11:	1	13:	6	14:	1
												18:	5				
28 APR	1	7.0	4:	2	7:	20	31:	3	25 MAY	2	3.0	58:	7	84:	4		
									25 MAY	1	3.5	36:	1				
30 APR	1	3.5	12:	4	31:	2	84:	3	26 MAY	1	3.5	7:	2	9:	6	12:	5

APPENDIX TABLE 18 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —									DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —									
			58: 10	84: 3	108: 1	58: 6	84: 2	108: 2	14: 25	16: 6	17: 16				3.5	5: 4	45: 5	58: 5	45: 40	9: 2	45: 23			
26 MAY	1	3.5+	58: 10	84: 3	108: 1							12 JUN	1	7.5+	43: 1	54: 4	58: 1							
27 MAY	3	3.0	13: 6	14: 2								13 JUN	1	3.5	5: 4	45: 5	58: 5	92: 1						
28 MAY	1	3.5	12: 4	58: 6	84: 2							14 JUN	1	3.5	5: 2	9: 4	12: 2							
28 MAY	3	6.0	14: 25	16: 6	17: 16							15 JUN	1	3.5	9: 2	45: 23								
28 MAY	2	8.0	29: 1									16 JUN	1	3.5	9: 2	12: 3	45: 26	58: 9						
29 MAY	2	3.5	36: 1	97: 1								16 JUN	3	6.0	2: 3	7: 1	18: 4	76: 8						
29 MAY	2	4.0	2: 1	15: 2	19: 14							16 JUN	3	6.0	2: 1	7: 1	17: 2	20: 1	54: 21					
29 MAY	1	3.5	3: 1	9: 5	12: 6							17 JUN	2	8.0	29: 1	35: 1								
29 MAY	1	3.5	58: 16	84: 4	108: 1							17 JUN	1	3.5	45: 9	54: 2	58: 6							
30 MAY	1	3.5	9: 2	12: 5	58: 7							17 JUN	2	4.0	13: 2	17: 6								
31 MAY	1	3.5	5: 1	9: 4	12: 3							17 JUN	3	8.0	2: 1	7: 1	17: 2	20: 1						
1 JUN	1	3.5	3: 1	9: 10	12: 6							18 JUN	3	8.0	13: 24	17: 3	20: 3	54: 7						
1 JUN	1	3.5	58: 8									18 JUN	3	8.0	13: 24	17: 3	20: 3	54: 7						
2 JUN	3	8.0	6: 1	13: 1	14: 5							19 JUN	1	3.5	45: 1	54: 5								
2 JUN	3	8.0	16: 6	17: 10	18: 8							19 JUN	3	7.0	16: 2	17: 7	18: 4	20: 6	54: 12					
2 JUN	1	3.5	9: 12	12: 4	58: 10							20 JUN	1	3.5	4: 1	12: 2	31: 2							
3 JUN	3	8.0	13: 2	14: 12	16: 10							20 JUN	1	4.0	9: 6	12: 4	31: 12	45: 2						
3 JUN	3	8.0	17: 14	18: 13	24: 17							22 JUN	1	4.0	4: 1	12: 2	31: 2	23 JUN	1	4.0	31: 7			
4 JUN	3	8.0	13: 1	14: 9	16: 1							23 JUN	2	3.0	10: 5									
4 JUN	3	8.0	17: 7	18: 11	24: 3							23 JUN	6	4.0	2: 2	19: 2	97: 1	24 JUN	1	3.5	31: 15	45: 1		
5 JUN	3	4.0	24: 35									25 JUN	2	1.0	17: 6									
5 JUN	2	7.5										25 JUN	2	3.0	3: 1	10: 1								
6 JUN	1	3.5	5: 1	58: 5								26 JUN	2	2.5	3: 1	10: 1	29: 1							
7 JUN	1	3.5	4: 2	5: 2	43: 2							27 JUN	1	4.0	10: 1									
7 JUN	2	2.0	54: 2	70: 1								28 JUN	1	4.0	10: 1									
7 JUN	2	2.0	15: 7	17: 4	18: 3							28 JUN	3	6.0	2: 1	6: 1	11: 8	13: 10						
9 JUN	3	2.0	13: 28									29 JUN	1	7.5	5: 9	9: 7	12: 5	31: 15						
9 JUN	3	2.0	17: 2	18: 3								29 JUN	1	7.5	5: 9	9: 7	12: 5	31: 15						
10 JUN	1	3.5	4: 3	12: 6	34: 2							30 JUN	1	8.0	9: 10	12: 6	31: 9	43: 5	54: 2					
10 JUN	3	8.0	16: 3	17: 10	18: 5							1 JUL	1	3.5	10: 1	31: 6								
10 JUN	2	4.0										2 JUL	2	2.0	3: 3	10: 1								
11 JUN	3	4.0	16: 1	17: 2	18: 2							3 JUL	2	3.0	10: 2	29: 1								
11 JUN	1	6.0	4: 2	12: 2	43: 1							4 JUL	3	7.0	14: 3	17: 2	18: 6	54: 7	5: 1					
11 JUN	1	6.0	45: 1	54: 1								4 JUL	1	3.5	5: 1	31: 6								
12 JUN	3	8.0	13: 4	15: 3	17: 8							5 JUL	2	3.0	10: 1									
12 JUN	3	8.0	18: 6	20: 2								6 JUL	2	1.5	17: 1	18: 1	76: 22	76: 12						
12 JUN	1	7.5	4: 2	5: 4	12: 6							7 JUL	2	8.0	2: 6	19: 10	20: 3	76: 12						

APPENDIX TABLE 18 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			4:	10:	12:	14:	16:				2:	4:	6:	8:	10:	12:	
9 JUL	1	3.5	4:	1				4 AUG	1	4.0	2:	1	31:	7			
9 JUL	2	3.0	10:	1				4 AUG	2	3.0							
10 JUL	2	3.0	10:	1				4 AUG	2	4.0	17:	7	18:	1	20:	5	
11 JUL	1	3.5	5:	10	7:	6	9:	15	5 AUG	2	2.5	10:	1	29:	1		
12 JUL	1	3.5	3:	1	5:	13	7:	10	5 AUG	1	4.0	5:	2	31:	17		
					9:	6	12:	1	6 AUG	1	3.5	4:	1	5:	3	31:	1
12 JUL	3	8.0	2:	1	14:	14	16:	3	6 AUG	2	6.0	7:	3	8:	1	9:	2
					17:	12	18:	4				19:	1	20:	3	29:	1
13 JUL	1	3.5	3:	1	5:	2	9:	10				76:	5	95:	1		
					12:	3			7 AUG	2	6.0	1:	1	2:	1	9:	2
14 JUL	1	4.0	12:	5	31:	14						20:	1	29:	6	76:	5
14 JUL	2	1.0	15:	1	18:	4	76:	12				95:	4				
15 JUL	1	4.0	12:	4	31:	14			7 AUG	1	4.0	9:	2	12:	3	31:	14
15 JUL	2	3.0	10:	2	29:	1			7 AUG	1	2.5	4:	3	7:	2	9:	7
16 JUL	2	3.0	10:	1								12:	2	31:	3		
16 JUL	2	7.0	2:	2	9:	1	19:	3	8 AUG	1	4.0	12:	3	31:	14		
					76:	8	77:	2				9 AUG	1	4.0	5:	6	9: 10 12: 2
18 JUL	1	3.5	28:	25								31:	12	92:	1		
20 JUL	2	3.0	10:	3				10 AUG	1	4.0	4:	2	5:	7	31:	6	
21 JUL	1	4.0	28:	27								92:	1				
21 JUL	2	3.0	10:	1				10 AUG	1	2.0	9:	10	12:	6	31:	7	
22 JUL	2	3.0	10:	1				11 AUG	1	3.0	9:	5	12:	2	31:	15	
23 JUL	1	4.0	28:	12				12 AUG	1	3.0	12:	4	31:	8			
24 JUL	1	3.5	58:	16				12 AUG	2	3.0	10:	1					
25 JUL	2	3.0	10:	1				13 AUG	1	4.0	31:	3					
25 JUL	2	1.5	15:	2	18:	1	20:	1	13 AUG	2	3.0	10:	4				
					76:	11						13 AUG	2	2.0	17:	9	18: 2 20: 3
25 JUL	6	3.0	76:	8				14 AUG	1	4.0	4:	1					
26 JUL	1	3.5	58:	12				15 AUG	1	8.0	12:	4	31:	23			
26 JUL	2	3.0	7:	1				16 AUG	2	3.0	10:	3	29:	1			
27 JUL	1	4.0	58:	17				16 AUG	1	3.0	31:	8					
28 JUL	1	3.5	58:	12				16 AUG	1	3.0	4:	5	12:	1	31:	3	
29 JUL	1	4.0	5:	8								54:	2	92:	1		
29 JUL	3	5.0	3:	1	17:	6	18:	8	17 AUG	2	5.0	3:	1	17:	1	18:	4
30 JUL	1	3.5	4:	1				17 AUG	1	3.5	31:	28					
30 JUL	2	2.5	10:	1				17 AUG	2	3.0	10:	1	29:	1			
31 JUL	1	3.0	4:	2	9:	2	12:	6	18 AUG	3	8.0	11:	1	14:	41	16:	12
					15:	1	31:	8	70:	2				17:	40	18: 33	
1 AUG	1	3.0	4:	1	9:	1	12:	5	18 AUG	1	4.0	12:	2	31:	32		
					31:	10	70:	1				2:	1	4:	3	12:	1
1 AUG	1	4.0	31:	8								15:	1	31:	1	54:	1
2 AUG	1	3.5	4:	2								70:	9				
2 AUG	1	2.0	9:	1	12:	4	31:	5	19 AUG	3	3.0	13:	15	14:	2	16:	5
					70:	1						17:	20	18:	4	29:	2
3 AUG	2	3.0	10:	1	36:	1						54:	1				
3 AUG	1	3.5	4:	3				19 AUG	1	4.0	12:	2	31:	18			
3 AUG	2	3.5						20 AUG	2	6.0	2:	2	7:	1	11:	2	

APPENDIX TABLE 18 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —											
			14:	1	17:	4	18:	1				17 SEP	1	4.0	31:	5	17:	18	18:	1	20:	1	
20 AUG	2	6.0+	14:	1	17:	4	18:	1	17 SEP	2	2.0	17:	18	18:	1	20:	1						
20 AUG	1	4.0	31:	16					17 SEP	1	5.0	3:	1	4:	1	5:	4						
20 AUG	1	6.0	3:	1	4:	3	9:	1	18 SEP			9:	6	12:	2	31:	14						
			12:	1	17:	1	31:	4				45:	1	70:	3								
21 AUG	3	5.0	14:	3	16:	2	17:	6	18 SEP	1	4.0	31:	10										
			18:	9	24:	4			19 SEP	1	5.0	3:	3	4:	4	9:	6						
21 AUG	1	4.0	12:	3	31:	18						12:	4	31:	9	70:	3						
21 AUG	2	4.5										92:	1										
22 AUG	2	4.5							20 SEP	2	3.0	2:	1	3:	1	17:	6						
22 AUG	1	5.0	31:	16					20 SEP	1	6.0	133:	20										
22 AUG	2	2.0	15:	2	17:	2	20:	6	22 SEP	1	4.0	31:	5										
			76:	12					23 SEP	3	2.0	18:	10										
23 AUG	1	5.0	4:	4	7:	1	9:	5	23 SEP	1	3.0	9:	4	12:	4	70:	2						
			12:	1	31:	6	70:	2	24 SEP	1	3.0	4:	1	9:	3	12:	3						
23 AUG	1	3.5	31:	18								17:	2	31:	1	70:	2						
26 AUG	1	4.0	2:	1	4:	2	31:	6	24 SEP	3	6.0	14:	16	17:	12	18:	8						
27 AUG	2	2.5	29:	1					28 SEP	1	4.0	4:	12	12:	3								
27 AUG	2	4.0	3:	1	9:	2	13:	2	29 SEP	1	4.0	4:	10	31:	1								
			54:	1					29 SEP	1	3.0	3:	1	4:	5	9:	6						
29 AUG	1	5.0	4:	10	9:	4	12:	3				12:	2	17:	1	31:	5						
			31:	3	54:	4	70:	3				54:	1	70:	2								
31 AUG	1	6.0	4:	13	9:	5	12:	3	30 SEP	2	5.0	15:	10	17:	1	18:	6						
			31:	4	70:	6						20:	9	76:	15								
2 SEP	3	6.0	14:	21	16:	1	17:	4	1 OCT	1	3.0	4:	1	9:	7	12:	3						
			18:	6								17:	1	31:	3	54:	1						
4 SEP	2	3.0	29:	1	36:	1						70:	2										
4 SEP	2	7.0	15:	4	19:	1	76:	15	1 OCT	1	4.0	4:	1	12:	3	54:	4						
5 SEP	3	4.0	15:	3	18:	1	19:	3	3 OCT	1	4.0	9:	2	12:	5	19:	10						
			29:	12	76:	5						31:	6										
7 SEP	1	4.0	5:	3	12:	6	31:	7	4 OCT	1	4.0	4:	1	31:	5	43:	1						
8 SEP	1	6.0	2:	1	4:	6	9:	4	5 OCT	1	4.0	4:	1	54:	6	70:	1						
			12:	4	17:	2	31:	6	6 OCT	2	6.0	1:	1	3:	20	6:	1						
			70:	6								12:	1										
9 SEP	1	3.5	12:	3	31:	6			6 OCT	1	5.0	3:	1	4:	2	6:	1						
10 SEP	1	4.0	12:	6	31:	3	34:	1				9:	10	12:	6	15:	2						
			54:	6	92:	2						17:	3	54:	1	70:	6						
10 SEP	1	3.0	4:	1					7 OCT	1	5.0	3:	4	4:	3	9:	11						
11 SEP	1	3.5	12:	2	31:	15						12:	6	15:	1	17:	3						
12 SEP	1	4.0	4:	1	12:	4						31:	12	54:	2	70:	3						
13 SEP	1	2.5	3:	4	4:	6	9:	6	7 OCT	1	4.0	31:	7										
			12:	5	17:	1	31:	1	8 OCT	1	3.0	31:	10										
			54:	3	70:	2			9 OCT	1	5.0	3:	2	4:	1	9:	13						
14 SEP	1	6.0	92:	1								12:	6	15:	2	17:	2						
15 SEP	1	5.0	4:	3	9:	4	17:	2				31:	15	70:	3								
			18:	1	31:	18	70:	1	11 OCT	2	3.0	7:	1	9:	3	12:	1						
16 SEP	1	4.0	31:	5	70:	2						15:	2	18:	2	20:	1						

APPENDIX TABLE 18 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			9:	3	31:	18	10 NOV	2				15:	6	17:	7	20:	12	
12 OCT	1	1.0	9:	3	31:	18			10 NOV	2	4.0	15:	6	17:	7	20:	12	
15 OCT	1	3.0	4:	5	9:	2	12:	3	11 NOV	1	3.0	4:	1	92:	1			
			31:	8	70:	2			11 NOV	1	4.0	9:	3	58:	11	81:	2	
17 OCT	2	5.5	17:	1	18:	1	20:	4	12 NOV	1	4.0	4:	4	9:	1	58:	16	
			54:	42								70:	1					
18 OCT	1	5.0	3:	3	9:	6	12:	4	12 NOV	1	6.0	4:	6	9:	5	12:	6	
			31:	9	70:	2						19:	6	31:	15			
19 OCT	1	4.0	3:	1	9:	3	12:	2	13 NOV	2	5.0	3:	32					
			17:	1	31:	6	70:	1	14 NOV	2	6.0	2:	1	3:	31			
21 OCT	1	4.0	19:	3	58:	5			15 NOV	2	5.0	1:	1	2:	1	3:	38	
22 OCT	1	4.5	4:	1	12:	5	19:	5				9:	3	12:	3	28:	3	
			54:	20	58:	10						29:	2					
23 OCT	1	4.0	3:	3	4:	1	9:	3	16 NOV	3	5.0	14:	16	17:	8	18:	4	
			12:	9	15:	2	17:	2	19 NOV	2	4.0							
			31:	19					20 NOV	1	2.0	9:	3	12:	2	70:	1	
24 OCT	2	5.5	15:	2	20:	3	36:	2	22 NOV	2	6.0	4:	2	15:	30	17:	8	
			54:	21								18:	3					
25 OCT	1	3.0	3:	2	9:	2	12:	9	22 NOV	2	3.0	15:	12	17:	2	18:	2	
			15:	1	31:	7						20:	4	76:	32			
28 OCT	1	5.5	3:	1	4:	9	9:	6	22 NOV	2	2.5	15:	20	17:	6	18:	1	
			12:	18	15:	1	17:	3				20:	1	76:	6			
			31:	3	70:	2			23 NOV	2	2.5	6:	1	15:	9	17:	5	
29 OCT	2	6.0	1:	2	3:	33	29:	1		23 NOV	2	3.0	20:	3	76:	5		
			36:	1					23 NOV	2	3.0	15:	60	17:	5	18:	4	
30 OCT	2	4.0	1:	1	3:	12	7:	2				20:	2					
			12:	1					26 NOV	2	8.0	1:	1	15:	10	19:	12	
1 NOV	2	5.0	1:	1	3:	36	12:	3				76:	22					
			36:	3					27 NOV	1	4.0	4:	11	9:	2	54:	2	
2 NOV	2	6.0	1:	3	2:	3	3:	75				58:	8					
			12:	6	17:	1	36:	5	27 NOV	2	5.0	3:	1	9:	2	15:	68	
2 NOV	2	6.5	29:	3								17:	8	18:	10	20:	2	
3 NOV	2	6.0	3:	67	12:	3	36:	4				54:	21					
5 NOV	2	5.0	1:	1	3:	5	6:	1	29 NOV	1	4.0	4:	9	9:	1	58:	2	
			15:	12	17:	2	18:	4				92:	3					
6 NOV	2	4.0	3:	3	4:	1	9:	2	30 NOV	1	4.0	4:	18	9:	4	58:	8	
			12:	2	18:	3	20:	2	1 DEC	1	4.0	4:	4	9:	7	54:	3	
6 NOV	2	1.0										58:	6	92:	1			
6 NOV	2	4.0							1 DEC	1	5.0	4:	4	9:	2	12:	2	
6 NOV	3	5.0	14:	45	17:	7	18:	4				15:	2	31:	13	43:	7	
			20:	2					2 DEC	2	3.0	15:	16	17:	14	18:	2	
8 NOV	1	4.0	4:	5	9:	3	12:	6				20:	1	54:	5			
			58:	19					2 DEC	1	4.0	4:	6	9:	2	54:	2	
9 NOV	1	4.0	4:	2	9:	6	58:	14				58:	9					
9 NOV	1	4.0	9:	1	12:	3	19:	10	4 DEC	1	4.0	4:	1	12:	2	31:	17	
			31:	25								70:	2					
10 NOV	1	4.0	9:	4	12:	2	19:	6	5 DEC	1	4.0	4:	3	12:	1	31:	35	
			31:	22								70:	3					

APPENDIX TABLE 18 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			4:	6	12:	2	54:				4:	11	58:	6	4:	4
5 DEC	1	4.0	4:	6	12:	2	54:	2								
			58:	8												
6 DEC	1	4.0	4:	11	58:	6										
7 DEC	1	4.0	4:	4	12:	1	54:	1								
			58:	11												
9 DEC	1	4.0	4:	7	9:	2	58:	21								
9 DEC	1	4.0	4:	10												
9 DEC	2	4.0	15:	38	17:	6	18:	3								
			20:	2	76:	12										
10 DEC	1	4.0	4:	1	9:	3	12:	1								
			58:	16												
13 DEC	1	6.0	92:	15												
13 DEC	1	3.0	4:	2	9:	4	12:	1								
			31:	8												
15 DEC	3	5.0	14:	21	16:	2	17:	10								
			18:	4												
16 DEC	1	6.0	15:	2	92:	2										
17 DEC	1	6.0	5:	6	9:	5	19:	1								
			58:	12												
18 DEC	1	4.0	4:	2	9:	6	31:	6								
18 DEC	2	3.0	15:	43	18:	7										
21 DEC	1	4.0	4:	10	31:	12										
22 DEC	1	4.0	31:	10												
23 DEC	2	3.0	15:	20	17:	5	18:	1								
27 DEC	1	4.0	34:	6												
28 DEC	1	7.0	4:	6	31:	1	34:	3								
			43:	2												
31 DEC	1	3.0	4:	3	34:	6										
31 DEC	1	3.0	15:	2	34:	1										

APPENDIX TABLE 19. LOGGED 1983 TROLLING CATCH AND EFFORT FROM NORTHWEST FLORIDA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
31 MAR	2	2.5					23 APR	1	3.0	4:	5		
1 APR	2	2.0					23 APR	1	4.0	3:	6		
3 APR	2	2.0					23 APR	1	7.5	3:	19	5:	5
3 APR	1	4.0	3:	4	4:	1	24 APR	1	6.0	3:	2		
3 APR	1	3.0					24 APR	1	2.0				
4 APR	2	2.0					25 APR	1	2.0				
4 APR	2	1.0					25 APR	1	4.5				
6 APR	1	3.5	3:	2			26 APR	1	4.0	2:	1		
7 APR	1	3.5	3:	9			26 APR	2	2.0				
7 APR	1	3.0	3:	1			26 APR	1	8.0	2:	2	3:	27
8 APR	1	4.0	3:	11			26 APR	3	1.0				
8 APR	1	2.0	3:	2			27 APR	2	6.0	2:	10		
9 APR	1	3.5	3:	1			27 APR	2	3.0	2:	3		
9 APR	1	6.0	3:	2			27 APR	4	4.0	3:	33		
9 APR	1	1.0	3:	12			27 APR	1	4.0	12:	3		
9 APR	3	2.0	2:	1			28 APR	1	4.5	2:	6		
10 APR	3	5.0	13:	11	17:	1	20:	4	4.0	2:	1	3:	9
			50:	16	85:	22			28 APR	2	3.5	2:	5
11 APR	2	4.0					29 APR	2	3.5	2:	3		
11 APR	2	4.0	2:	1			29 APR	1	4.0				
11 APR	1	3.0	3:	2			29 APR	1	4.0	2:	1		
11 APR	1	3.5	3:	2			30 APR	1	2.5	2:	1		
12 APR	1	3.0	3:	1			30 APR	1	6.0	3:	34	5:	3
12 APR	2	4.0					30 APR	1	2.0	2:	6		
12 APR	2	4.0					30 APR	4	6.0	3:	7		
13 APR	2	6.0	2:	7			30 APR	4	3.5	3:	19	5:	6
13 APR	1	3.0	3:	2			1 MAY	1	2.0	3:	4		
15 APR	1	6.0	3:	3			1 MAY	1	2.0	3:	4		
15 APR	2	4.0	3:	22			1 MAY	2	1.0				
15 APR	1	2.0	3:	4			2 MAY	1	1.5	3:	7		
15 APR	2	4.0	2:	1			3 MAY	1	2.0	3:	2		
16 APR	2	3.0	3:	1			4 MAY	1	3.0	3:	50	5:	2
16 APR	2	4.0								8:	3	7:	25
16 APR	2	3.5	3:	11			5 MAY	1	3.0	2:	1		
17 APR	4	8.0	3:	8			5 MAY	2	1.0				
17 APR	1	3.5					6 MAY	2	6.0	3:	29	7:	56
19 APR	1	3.5					6 MAY	1	3.5	3:	6	5:	1
19 APR	2	3.0	2:	1			6 MAY	1	3.5	1:	1	5:	15
20 APR	4	4.0					7 MAY	4	7.5	2:	2	3:	8
21 APR	1	3.5								5:	1	7:	79
21 APR	2	4.0	2:	1			7 MAY	1	4.0				
21 APR	2	4.0	2:	2			7 MAY	2	6.0	3:	17	5:	4
21 APR	1	3.5	3:	28						14:	1	20:	4
22 APR	2	7.5	2:	1	3:	1	7 MAY	4	4.0	3:	14	5:	11
22 APR	2	4.0					7 MAY	1	3.0				
23 APR	1	2.0	3:	2			7 MAY	2	7.0	2:	5		
23 APR	1	6.0	3:	2			7 MAY	3	1.0				

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS FISHED		— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED		— CATCH PER SPECIES —				
		1.5	3.5	3: 8	7: 24	9: 2	22 MAY	2			3.0	6: 1	3: 29	5: 4	8: 21	9: 11	
8 MAY	1	1.5	8: 12				22 MAY	2	3.0	6: 1	3: 29	5: 4					
8 MAY	1	3.5	3: 12				22 MAY	2	6.0	2: 1	3: 29	5: 4					
9 MAY	2	3.0															
9 MAY	1	2.0	3: 8	7: 24	9: 2		22 MAY	2	4.0	3: 1	7: 97	9: 8					
10 MAY	1	1.5	7: 1	8: 1			22 MAY	1	5.0	3: 2	7: 60	8: 3					
11 MAY	1	3.0	3: 20	5: 12	7: 50												
			9: 25				22 MAY	1	3.5	3: 4	7: 63	9: 2					
11 MAY	2	2.0	3: 2	7: 15			22 MAY	1	3.5	7: 6							
12 MAY	2	4.0	3: 1	5: 1	6: 4		23 MAY	2	3.5	7: 52	9: 3						
			7: 4				23 MAY	2	3.5	7: 23	9: 2						
12 MAY	2	1.0	3: 1				24 MAY	2	1.0	6: 4							
13 MAY	6	4.0					24 MAY	1	1.0	1: 1	3: 3	6: 2					
13 MAY	4	2.0	3: 1	7: 17													
13 MAY	1	3.5	3: 18	7: 32			24 MAY	2	3.0	3: 1	5: 2	7: 14					
13 MAY	4	3.5	3: 12	7: 68	8: 2												
14 MAY	4	8.0	3: 28	7: 47	9: 3		25 MAY	3	2.0	3: 4	7: 20						
14 MAY	1	3.5	3: 3	5: 49	7: 3		25 MAY	2	3.0	1: 1	5: 6	6: 8					
14 MAY	1	10.0	2: 21	7: 54	9: 10												
14 MAY	4	2.0	3: 3	7: 15			26 MAY	3	8.0	22: 1							
14 MAY	1	4.0	3: 25	7: 12			26 MAY	2	6.0	2: 2	3: 12	5: 4					
14 MAY	2	2.0	16: 1														
15 MAY	2	3.5	3: 11	6: 1	7: 20		26 MAY	1	3.0	1: 1	3: 4	6: 3					
15 MAY	2	8.0	2: 2	3: 32	5: 13												
			6: 4	7: 134	9: 19		27 MAY	2	3.0	3: 7	7: 18						
15 MAY	2	3.0	3: 25	5: 3	7: 35		27 MAY	2	4.0	6: 14	13: 1	24: 1					
16 MAY	1	3.0	3: 15	5: 5	9: 23		27 MAY	2	3.5	3: 19	7: 98	8: 18					
18 MAY	1	3.0	3: 23	5: 8	7: 40												
			9: 35				28 MAY	2	3.5	3: 12	6: 3	7: 117					
18 MAY	2	2.0	3: 12	7: 20	8: 16												
19 MAY	1	4.0	5: 10	7: 15			28 MAY	1	7.5	3: 1	5: 2	7: 23					
20 MAY	4	4.0	3: 1	5: 1	7: 75												
			9: 6				28 MAY	2	5.0	1: 1	3: 4	6: 6					
20 MAY	2	6.0	2: 1	3: 17	5: 9		28 MAY	3	9.0	22: 1							
			7: 76	9: 35			28 MAY	2	3.0	3: 4	7: 15	8: 23					
20 MAY	4	7.0	3: 4	5: 33	7: 124		28 MAY	2	8.0	2: 2	3: 7	5: 2					
			9: 1														
21 MAY	4	7.0	3: 6	5: 20	6: 5		28 MAY	1	1.0	6: 25							
			7: 40				28 MAY	2	3.5	3: 1	6: 1	8: 28					
21 MAY	1	7.5	3: 4	5: 7	7: 63												
			9: 21				29 MAY	6	1.5								
21 MAY	2	4.0	3: 27	5: 7	7: 29		29 MAY	2	3.0	3: 2	6: 1	7: 16					
			9: 10				29 MAY	4	8.0	3: 15	5: 4	7: 75					
21 MAY	4	2.0	3: 3	7: 13	9: 10												
21 MAY	2	2.0	6: 10	7: 25			29 MAY	1	1.0	7: 25	9: 5						
21 MAY	4	6.0	3: 11	5: 9	7: 48		29 MAY	4	4.0	3: 1	7: 22	8: 15					
21 MAY	2	1.0	3: 1														
21 MAY	3	1.0					29 MAY	2	2.0	7: 15	8: 8	24: 1					

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	FISHED	HOURS -- CATCH PER SPECIES --				DATE	ZONE	FISHED	HOURS -- CATCH PER SPECIES --			
			3:	6	7:188	8:104				3:	2	6: 12	7: 58
29 MAY	2	9.0	3: 6	7:188	8:104		5 JUN	2	3.0+	8: 33			
			9: 1				5 JUN	4	4.0	3: 2	6: 12	7: 58	
30 MAY	4	4.0	3: 10	7: 60	8: 60					8: 43			
30 MAY	2	3.0	3: 2	8: 99			5 JUN	1	6.0	2: 1	3: 12	5: 2	
30 MAY	4	4.0	3: 6	5: 1	6: 3					8:166			
			7: 15	8: 25	9: 3		6 JUN	2	2.0	6: 7	7: 10	8: 4	
30 MAY	4	8.0	3: 4	5: 1	7: 97		6 JUN	2	1.0	7: 3			
			8: 66	9: 12			6 JUN	1	3.5	3: 3	6: 4	7:115	
30 MAY	1	4.0	3: 14	6: 2	7: 25					8: 27			
			8: 53	9: 6			6 JUN	1	4.0	3: 6	7: 18	8: 8	
30 MAY	2	4.0	7: 15	8: 5	24: 1					9: 3			
30 MAY	2	3.0	6: 1	7: 7			7 JUN	1	3.5	3: 10	5: 3	6: 4	
30 MAY	6	4.0	6: 2	7: 8	8: 21					7: 65	8: 10		
			13: 1				7 JUN	2	1.0	7: 19	8: 4		
31 MAY	1	1.0	3: 6	7: 12	8: 35		7 JUN	4	3.0	3: 8	5: 10	8: 3	
31 MAY	2	4.0	3: 7	7: 20	8:124		7 JUN	4	4.0	3: 40	5: 3	6: 2	
			24: 1							7: 12	8: 25		
31 MAY	4	8.0	6: 35	7:105	8:117		8 JUN	4	7.0	3: 43	6: 14	7: 32	
			24: 5							8: 62			
31 MAY	1	3.5	3: 6	7: 83	8: 23		8 JUN	2	3.0	13: 9			
1 JUN	2	3.0	6: 7	8: 30	13: 15		8 JUN	2	1.0	7: 23	8: 2		
1 JUN	2	4.0	1: 1	6: 6	7: 20		8 JUN	2	3.0	7: 23	8: 3	13: 12	
			24: 4				8 JUN	2	2.0	6: 18	7: 15		
2 JUN	4	10.0	3: 1	6: 20	7:140		8 JUN	1	4.5	3: 26	5: 12	7:102	
			8: 64	13: 9						8: 7	9: 1		
2 JUN	2	3.0	7: 52	8: 7	9: 5		9 JUN	1	4.0	7: 33			
2 JUN	2	3.0	6: 23	7: 2			9 JUN	2	7.5	3: 7	5: 1	6: 4	
2 JUN	2	3.5	3: 5	5: 1	6: 10					7:193	8: 24	9: 2	
			7: 21	8: 27						13: 9	17: 1		
3 JUN	3	4.0	13: 6				9 JUN	6	2.0	6: 2			
3 JUN	2	3.0	7: 31	8: 9			9 JUN	2	0.5	7: 23			
3 JUN	4	4.0	6: 2	8: 53	24: 6		9 JUN	2	1.0	7: 14	8: 1		
3 JUN	2	3.0	6: 2	7: 45	8: 18		9 JUN	3	8.0	24: 1			
3 JUN	3	3.0	24: 3				9 JUN	4	10.0	3: 5	6: 15	7: 58	
3 JUN	1	2.0	6: 6	7: 30						8: 11	12: 1		
4 JUN	1	2.0	3: 3	6: 4	7: 40		10 JUN	4	7.0	2: 1	6: 5	7:108	
4 JUN	4	4.0	3: 7	5: 10	7: 35					8: 1			
			8: 7	9: 1			10 JUN	2	3.0	6: 4	7: 60	8: 14	
4 JUN	2	1.0	7: 12	8: 15			10 JUN	1	6.0	3: 4	5: 7	8:246	
4 JUN	4	10.0	6: 14	8:162	24: 37		10 JUN	4	4.0	3: 1	4: 3	7: 25	
4 JUN	2	3.0	3: 1	7: 36	8: 12					8: 1			
4 JUN	2	2.0	7: 22				10 JUN	2	3.5	13: 5	50: 5		
4 JUN	2	2.0	6: 3	7: 1			10 JUN	2	1.0	7: 16	8: 1		
4 JUN	2	7.0	3: 1	6: 8	7: 51		10 JUN	2	0.5	7: 18			
			8: 5	24: 82			10 JUN	1	1.5	7: 26			
5 JUN	6	3.0	6: 17				10 JUN	2	3.0	3: 2	7: 27	8: 1	
5 JUN	2	3.0	3: 1	6: 3	7: 28					13: 3	17: 1		

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —			
11 JUN	1	3.5	7: 93	12: 1			17 JUN	3	12.0	24: 4			
11 JUN	6	6.0	5: 1	6: 16	8: 4	13: 19	18 JUN	3	9.0	21: 2			
							18 JUN	2	3.0	6: 5	7: 48	8: 13	
11 JUN	2	3.0	6: 18	7: 13			18 JUN	3	12.0	7: 1			
11 JUN	2	1.0	6: 8	7: 10	8: 5		18 JUN	3	2.0	7: 3	13: 1		
11 JUN	1	2.5	6: 2	7: 9	8: 16		18 JUN	6	2.0	3: 1	6: 2		
11 JUN	2	3.0	6: 5	13: 4	24: 1		18 JUN	2	6.5	6: 42	7: 35	8: 8	
11 JUN	4	3.0	7: 55							24: 1			
11 JUN	4	10.0	6: 18	7: 171	8: 9		19 JUN	2	3.5	6: 10	8: 1		
11 JUN	2	6.0	6: 9	7: 140	8: 45		19 JUN	2	1.0	6: 1	7: 12		
12 JUN	2	3.0	6: 4	7: 75	8: 18		19 JUN	2	2.5	1: 2			
12 JUN	4	3.0	1: 1	6: 7	7: 50	8: 6	19 JUN	2	2.0	6: 7	7: 40		
							19 JUN	1	2.0	3: 3	6: 6	7: 12	
12 JUN	2	2.0	7: 14	8: 9	24: 1		20 JUN	2	2.0	7: 18	8: 33		
12 JUN	2	2.5	6: 6	7: 4	8: 21		20 JUN	3	3.0	6: 1	8: 2		
12 JUN	2	1.0	6: 12	7: 10	8: 6		21 JUN	3	4.0	1: 22	6: 3		
12 JUN	2	1.0	1: 1	6: 23	7: 6		21 JUN	4	3.0	5: 9	7: 28	8: 1	
12 JUN	1	1.0	7: 37				22 JUN	4	3.0	5: 1	6: 5	7: 48	
13 JUN	1	3.0	11: 3	13: 24			22 JUN	3	4.0	1: 8	6: 4		
13 JUN	2	3.0	3: 1	5: 19	6: 4	7: 56	22 JUN	2	2.0	7: 22			
							22 JUN	1	0.5	9: 2			
13 JUN	2	7.0	6: 1	7: 51	13: 3		22 JUN	6	3.5	6: 1	24: 2		
13 JUN	2	1.0	7: 21	8: 3			23 JUN	6	3.0	5: 1			
13 JUN	2	4.0	7: 16	8: 10	24: 1		23 JUN	2	3.0	1: 15			
14 JUN	2	4.0	1: 2	7: 10	8: 16		23 JUN	4	6.0	5: 10	7: 26	8: 5	
14 JUN	2	2.5	7: 18	8: 4						9: 18			
14 JUN	4	3.0	6: 9	7: 58	8: 11		23 JUN	2	3.0	7: 37	8: 8		
14 JUN	6	3.0	7: 1	8: 1	13: 7	17: 1	24 JUN	2	6.0	1: 8	6: 2		
							24 JUN	4	6.0	1: 5	3: 1	5: 2	
15 JUN	4	6.5	3: 2	6: 14	7: 73	8: 3	24 JUN	2	8.0	1: 9	6: 14	11: 1	
										7: 15	8: 1		
15 JUN	2	3.0	3: 1	6: 4	7: 15	8: 15	24 JUN	2	2.0	1: 3	6: 1	12: 1	24: 8
										1: 2	3: 1	6: 8	
15 JUN	4	3.0	6: 68	7: 28	8: 18		24 JUN	2	7.0	1: 2	3: 1	6: 8	
16 JUN	4	3.0	5: 1	7: 25	8: 26					7: 21	24: 2		
16 JUN	2	4.0	6: 3	7: 12	8: 12		24 JUN	6	4.0	1: 4	6: 1	8: 1	
16 JUN	2	1.5	6: 13	7: 23	8: 1	13: 15	25 JUN	2	4.5	1: 12	6: 1		
							25 JUN	2	7.0	1: 39	6: 1		
16 JUN	6	2.0	22: 1	23: 1			25 JUN	2	6.0	1: 3	6: 9	7: 16	
16 JUN	4	4.5	3: 1	5: 1	6: 8	7: 126	25 JUN	1	1.0	7: 20			
							25 JUN	6	2.0	5: 2			
						24: 1	26 JUN	2	3.0	1: 2	20: 1		
17 JUN	2	6.0	6: 58	7: 26	8: 18	13: 21	26 JUN	2	1.0	6: 1	7: 22		
							26 JUN	3	3.5	1: 1	6: 1		
17 JUN	1	3.5	7: 34	13: 11			27 JUN	2	1.5				
17 JUN	1	2.0	7: 12	9: 41			27 JUN	2	3.0	2: 1	6: 7		
17 JUN	3	12.0	21: 1	22: 3	24: 12		27 JUN	6	2.0	6: 6	7: 1	13: 4	

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				
			14:	20:	50:	5	1:				7:	10	13:	1	
27 JUN	6	2.0+	14: 1	20: 7	50: 5			2 JUL	3	2.0	1: 7				
			62: 10					3 JUL	2	2.0	1: 3	7: 10	13: 1		
28 JUN	2	3.0	6: 8	8: 3	24: 3			3 JUL	7	6.0	1: 14	6: 8	7: 3		
28 JUN	2	4.0	1: 5								8: 5	24: 2			
28 JUN	2	3.0	1: 6	6: 1				3 JUL	2	6.0	1: 1	6: 3	8: 1		
28 JUN	3	6.0	1: 4	6: 2	8: 10						24: 1				
			22: 1					3 JUL	2	0.5	7: 23				
29 JUN	2	6.0	1: 17	6: 1	7: 46			3 JUL	3	6.5	1: 21	3: 1	6: 3		
			24: 1								24: 2				
29 JUN	2	3.0	3: 4	6: 16				4 JUL	3	2.5	1: 8	6: 1	8: 2		
29 JUN	2	2.0	6: 3	7: 40	8: 3			4 JUL	3	5.0	1: 81				
29 JUN	2	2.0	1: 1	3: 1	6: 2			4 JUL	6	2.0					
30 JUN	6	3.0						4 JUL	2	1.0	6: 1	7: 28			
30 JUN	2	2.0	1: 2	3: 1				4 JUL	2	4.0	1: 12	6: 1			
30 JUN	2	3.5	1: 1					4 JUL	2	6.0	1: 36	13: 1	20: 1		
30 JUN	2	5.0	6: 20	7: 8							24: 2	78: 1			
30 JUN	2	2.5	6: 2	7: 25	8: 5			4 JUL	3	6.0	1: 14	6: 6	7: 1		
			11: 1	12: 2							8: 3	24: 2			
30 JUN	7	4.0	1: 3	3: 4	5: 1			5 JUL	2	2.5	1: 10	8: 2	24: 1		
			7: 25	8: 12				5 JUL	2	4.0	1: 1	5: 1			
30 JUN	2	8.0	1: 9	2: 2	3: 4			5 JUL	2	6.0	1: 7	2: 1	6: 5		
			7: 41	11: 2							12: 1	24: 3			
30 JUN	2	4.0	1: 3	6: 1	7: 6			5 JUL	2	1.0	7: 36				
30 JUN	2	2.0	1: 7	6: 2	12: 1			5 JUL	3	1.0					
1 JUL	3	4.0	1: 8					5 JUL	3	7.0	1: 17	6: 3	8: 4		
1 JUL	2	4.0	1: 8	6: 2	24: 12						24: 9				
1 JUL	6	6.0	1: 3	2: 1	3: 5			6 JUL	3	5.5	1: 30	3: 1	6: 3		
			6: 14	7: 19	9: 4						8: 1	24: 1			
1 JUL	2	5.0	1: 27	6: 1	12: 1			6 JUL	6	5.0	1: 20				
			13: 1	24: 2				6 JUL	6	4.0	1: 6	7: 18	9: 1		
1 JUL	2	3.0	3: 2	6: 4	7: 36			6 JUL	2	7.0	1: 12	6: 3	20: 3		
			8: 3	11: 1							78: 1				
1 JUL	6	3.0						7 JUL	2	6.0	1: 22	6: 2	8: 2		
1 JUL	3	10.0	22: 3	24: 4	29: 2						15: 1	20: 1			
			55: 1					7 JUL	2	3.0	1: 5				
1 JUL	3	6.0	1: 8	6: 1	8: 2			7 JUL	2	1.0	7: 17	8: 1			
			24: 27					7 JUL	2	4.0	1: 1	6: 8	7: 15		
2 JUL	3	3.5	1: 9					7 JUL	6	2.0	6: 6				
2 JUL	3	5.0	1: 47					7 JUL	2	0.5	7: 18	9: 1			
2 JUL	3	10.0	24: 2					7 JUL	3	6.5	1: 28	3: 1	6: 1		
2 JUL	2	3.0	1: 1	6: 14	7: 2						24: 1				
			8: 5					8 JUL	6	8.0	1: 10	3: 1	6: 20		
2 JUL	2	5.0	1: 2	6: 4	24: 5						8: 5	24: 3			
2 JUL	7	4.0	1: 12	6: 1	8: 2			8 JUL	2	2.0	6: 1	7: 20	9: 2		
2 JUL	6	6.0	1: 2	3: 10	5: 2			8 JUL	2	4.0	1: 3	6: 1	24: 2		
			7: 14					8 JUL	2	1.5	1: 1	6: 1	7: 4		
2 JUL	2	4.0	1: 18	6: 3	24: 3						13: 3				

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			1: 15	6: 3	12: 1	14 JUL	3	3.0+				1: 3	3: 9	7: 18	1: 3	3: 2	6: 2
8 JUL	2	6.0	1: 15	6: 3	12: 1	14 JUL	2	1.0	1: 3	3: 9	7: 18						
8 JUL	2	2.0	12: 1	22: 1		15 JUL	6	3.0	3: 2	6: 2							
8 JUL	3	4.0	1: 6	6: 6	8: 2	15 JUL	2	0.5	3: 4	7: 4							
			20: 1			15 JUL	3	3.5	1: 3	6: 3	24: 2						
9 JUL	2	8.0	1: 9	3: 3	6: 17	15 JUL	3	4.0	1: 3	6: 12	7: 2						
9 JUL	2	3.0	1: 2	3: 2	6: 1	15 JUL	3	4.0	1: 3	6: 4	8: 3						
9 JUL	6	6.0	1: 2	6: 1	7: 8	15 JUL	2	1.0	7: 14								
			22: 1	24: 46		15 JUL	6	4.0	1: 4	6: 1	8: 1						
9 JUL	2	3.0	1: 2	6: 4	78: 1				20: 1	22: 1							
9 JUL	2	10.0	1: 5	6: 17	24: 6	15 JUL	6	2.5	1: 7	6: 4	8: 3						
9 JUL	2	3.5							24: 1								
9 JUL	3	5.0	1: 29			15 JUL	3	8.5	1: 11	3: 2	6: 9						
9 JUL	3	3.5	1: 18	3: 1	6: 4				8: 5	24: 7							
10 JUL	3	7.0	1: 7	3: 1	6: 5	15 JUL	3	6.5	1: 14								
			8: 3	20: 1		16 JUL	4	4.5	6: 4	8: 1	20: 1						
10 JUL	3	0.5	6: 1						24: 10								
10 JUL	6	2.0	6: 4			16 JUL	2	3.0	1: 1	6: 12							
10 JUL	2	1.0	7: 35			16 JUL	6	3.0	1: 5	7: 7							
10 JUL	2	4.0	1: 10	6: 8		16 JUL	3	8.0	1: 4	3: 4	6: 9						
10 JUL	6	1.0	5: 1	6: 3	7: 12				7: 7								
			8: 1			16 JUL	6	5.0	1: 5	2: 1	6: 6						
11 JUL	6	1.0	1: 2	7: 7					7: 2	8: 1	12: 1						
11 JUL	2	3.0	1: 14			16 JUL	3	3.0	1: 11	6: 4	11: 1						
11 JUL	3	2.0	1: 13	8: 3	24: 1	16 JUL	3	4.0	1: 4	7: 2	13: 4						
11 JUL	3	5.0	1: 67	6: 3		16 JUL	2	3.0	1: 1	6: 7	22: 1						
12 JUL	3	5.0	1: 19	3: 1	6: 3	16 JUL	3	5.0	1: 7	6: 3							
			8: 3	20: 1		16 JUL	2	1.0	3: 3								
12 JUL	6	6.0	1: 15	3: 1	8: 4	16 JUL	6	2.0	1: 1	6: 3							
12 JUL	2	3.0	1: 10			17 JUL	6	2.0	1: 4	6: 4	7: 12						
12 JUL	3	8.0	1: 33	6: 1	8: 1	17 JUL	2	8.0	1: 19	6: 27	24: 12						
			20: 4			17 JUL	6	5.0	1: 7	6: 1							
12 JUL	2	2.0	1: 4	6: 1		17 JUL	3	2.5	1: 3	8: 1							
12 JUL	2	2.0	1: 4	3: 16	6: 4	18 JUL	3	2.0	1: 6	6: 2	8: 7						
12 JUL	6	2.0	6: 2						20: 1								
13 JUL	2	1.0	1: 1	7: 26		18 JUL	2	2.5	1: 1	8: 6							
13 JUL	6	2.0	1: 4	6: 2	7: 20	18 JUL	3	3.0	1: 2	3: 1	6: 12						
13 JUL	3	3.0	1: 2	2: 2	6: 4	19 JUL	2	5.0	1: 2	6: 12							
			13: 4			19 JUL	3	2.0									
13 JUL	6	3.0	1: 4			19 JUL	2	2.0	1: 3								
13 JUL	3	2.5	1: 8	3: 1	8: 3	19 JUL	6	5.5	1: 1	3: 1	6: 4						
			20: 1						8: 6								
14 JUL	3	2.5	1: 2	3: 1	6: 7	20 JUL	3	4.5	1: 30	8: 3							
			8: 1	24: 5		20 JUL	3	6.0	38: 1	55: 1							
14 JUL	6	2.5	1: 1	8: 1	24: 2	20 JUL	2	9.0		6: 27							
14 JUL	6	4.0	1: 6	6: 7	8: 3	20 JUL	3	4.0		6: 1							
14 JUL	2	4.0	1: 3	6: 1		21 JUL	3	6.0	1: 9	6: 3	11: 1						
14 JUL	3	3.0	1: 8	2: 1	6: 2				22: 1								

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
21 JUL	6	2.0	6:	6				29 JUL	3	3.0	1:	1	3:	1	6:	1	
21 JUL	3	2.0	1:	2	6:	9					8:	1	24:	3			
21 JUL	2	2.5	1:	8	2:	1	12:	1	29 JUL	3	2.0	6:	6	7:	4		
21 JUL	2	6.0	1:	7	3:	2	6:	14	29 JUL	3	4.0	1:	6	6:	1	24:	1
21 JUL	6	4.0	1:	1	3:	3	6:	6	29 JUL	6	4.0	1:	2	6:	2	7:	1
21 JUL	2	1.5	7:	8				29 JUL	2	6.0	1:	7	3:	8	6:	3	
21 JUL	6	5.5	1:	4	2:	1	6:	2	30 JUL	2	4.0	1:	5	3:	5		
			7:	2	24:	4			30 JUL	2	5.0	1:	5	8:	1		
22 JUL	3	2.0	1:	4	6:	2	8:	6	30 JUL	2	8.0	1:	16	3:	7	6:	36
			24:	1					30 JUL	6	3.0	3:	2				
22 JUL	2	5.0	1:	13	7:	12	8:	2	30 JUL	3	5.5	1:	13	6:	3		
22 JUL	2	4.0	1:	10	6:	1			31 JUL	2	10.0	1:	18	3:	3	6:	5
22 JUL	2	3.0	1:	13	2:	1	6:	7			8:	1	24:	2	29:	1	
22 JUL	3	2.0	1:	3	7:	15	9:	2	31 JUL	3	2.0	3:	6	6:	7	7:	1
22 JUL	6	4.0	1:	1	3:	5	6:	7			9:	4					
			7:	1					31 JUL	6	7.0	1:	50	6:	3		
23 JUL	3	6.0	1:	10	6:	3			1 AUG	4	6.0	3:	18	6:	5		
23 JUL	2	6.0	1:	1	6:	2	7:	1	1 AUG	2	1.0	6:	9	7:	3	9:	2
23 JUL	6	4.0	1:	3	6:	7	20:	2	1 AUG	6	5.5	1:	3	6:	1	20:	1
			24:	2					2 AUG	3	2.5	1:	1				
23 JUL	2	4.0	1:	1	3:	1	6:	1	2 AUG	1	4.0	3:	4				
23 JUL	3	7.0	22:	5	24:	1			2 AUG	3	3.0	6:	1	13:	1		
23 JUL	3	6.0	11:	2	22:	7	24:	11	2 AUG	3	2.0	1:	1	6:	1		
23 JUL	3	2.5	6:	2					3 AUG	6	6.0	1:	24	6:	4		
24 JUL	2	8.0	1:	21	3:	2	6:	16	3 AUG	2	4.0	1:	10	6:	2		
			7:	9					3 AUG	3	7.0	1:	14	6:	4	57:	1
24 JUL	3	3.0	1:	1					3 AUG	4	4.0	3:	2	6:	5	7:	1
24 JUL	6	6.0	1:	1	6:	25	13:	7	3 AUG	3	5.0	1:	5	6:	1		
25 JUL	6	2.0	6:	1					3 AUG	2	4.5	1:	3	6:	4	7:	2
25 JUL	2	4.0	1:	1	6:	6					13:	8					
26 JUL	2	4.0	1:	2	6:	1			4 AUG	3	3.0	6:	1				
26 JUL	6	5.0	1:	3	3:	1	6:	27	4 AUG	3	4.0	1:	39	6:	2	13:	2
			8:	8	24:	8			4 AUG	3	4.0	1:	9	6:	3		
26 JUL	3	1.0	3:	1	6:	6			4 AUG	3	7.0	1:	28				
26 JUL	2	3.0	6:	7	24:	1			4 AUG	2	4.0	1:	16				
27 JUL	2	3.5	3:	1	6:	14			4 AUG	6	6.0	1:	36	20:	2		
27 JUL	3	4.0	1:	18	3:	1	6:	16	5 AUG	6	9.0	1:	27	6:	8		
			7:	2					5 AUG	3	10.0	1:	24	6:	3	20:	2
27 JUL	3	6.0	1:	12	6:	6	11:	1			24:	1					
27 JUL	6	2.5	1:	4	6:	2	78:	1	5 AUG	3	6.0	1:	19	2:	1	6:	15
27 JUL	2	4.0	1:	1	3:	2	6:	1			24:	16					
27 JUL	3	8.0	22:	2					5 AUG	2	8.0	1:	22	6:	5	7:	2
28 JUL	3	1.0	7:	1					5 AUG	3	3.0	1:	20				
28 JUL	6	8.0	1:	8	6:	6	8:	2	5 AUG	3	7.0	1:	17	6:	5		
28 JUL	6	4.0	3:	3	6:	13	8:	1	5 AUG	4	2.0	6:	2				
28 JUL	3	2.0	1:	2	8:	2			5 AUG	3	3.0	1:	12				
29 JUL	3	4.5	1:	18	5:	1			5 AUG	3	4.0	1:	55	6:	2	13:	1

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			1:	1	39:	1	1:	12				8:	1	23:	1	24:	1
5 AUG	3	3.0	1:	1	39:	1			12 AUG	4	8.0	1:	12	5:	1	6:	2
6 AUG	3	4.5	1:	8	7:	1	9:	1				8:	1	23:	1	24:	1
6 AUG	4	4.0	1:	1	6:	8	7:	2	12 AUG	3	12.0	22:	2				
6 AUG	3	4.0	1:	13	6:	1	7:	1	12 AUG	3	4.0	1:	15	3:	1	7:	2
6 AUG	3	12.0	21:	1	39:	1			12 AUG	3	12.0	21:	2	24:	3	39:	2
6 AUG	3	8.0	6:	1	22:	1	24:	1				55:	2				
6 AUG	2	10.0	1:	25	6:	7	7:	1	13 AUG	3	12.0	24:	2				
6 AUG	3	8.0	1:	22	6:	2	20:	4	13 AUG	6	3.0	6:	6				
6 AUG	3	6.5	6:	2	21:	2	22:	2	13 AUG	2	6.0	1:	11	6:	1		
									13 AUG	3	12.0						
7 AUG	3	4.0	6:	1	22:	1			13 AUG	6	6.0	1:	9	2:	1	6:	23
7 AUG	3	8.0	1:	22	6:	3	20:	3				7:	4	11:	1	24:	10
									13 AUG	6	4.0	1:	5	6:	1		
7 AUG	3	8.0	6:	1	22:	2	24:	1	13 AUG	2	6.0	1:	10	6:	5		
									13 AUG	3	6.0	1:	12	6:	3	11:	2
7 AUG	2	8.0	1:	14	6:	6			13 AUG	3	4.0	1:	5				
7 AUG	3	9.0	24:	4					13 AUG	2	3.0	1:	34	3:	1	6:	1
7 AUG	3	2.0	1:	11	6:	1	7:	1	13 AUG	3	12.0	55:	4				
7 AUG	3	3.5	1:	64	6:	1			14 AUG	3	2.5	1:	11	7:	1		
8 AUG	3	3.0	1:	44					14 AUG	2	4.0	1:	8	6:	3		
8 AUG	2	4.0	1:	8	6:	1			14 AUG	3	4.0	1:	8	6:	1	7:	1
8 AUG	3	8.0	1:	22	6:	1	20:	2	14 AUG	6	4.0	1:	7	3:	1	6:	1
8 AUG	3	6.0										20:	2				
9 AUG	3	1.0	7:	12	24:	21			14 AUG	3	3.0	1:	17	3:	2	13:	3
9 AUG	2	3.0	1:	9	6:	3			15 AUG	3	3.0	1:	21	3:	1		
9 AUG	4	6.0	1:	6	3:	1	6:	4	15 AUG	2	3.5	1:	9	3:	2	6:	3
9 AUG	3	3.5	1:	7	7:	4						13:	1	20:	2		
9 AUG	3	6.0	1:	18	6:	4	13:	1	16 AUG	3	4.5	1:	18	6:	5	8:	1
												24:	1				
9 AUG	3	12.0	21:	3	22:	2	24:	3	16 AUG	3	2.0	1:	13	6:	2	24:	4
10 AUG	3	4.0	24:	6					16 AUG	3	3.0	1:	12	3:	1	13:	4
10 AUG	3	4.5	1:	9	6:	1			16 AUG	2	4.0	1:	18	6:	1		
10 AUG	2	4.0	1:	6	6:	3			17 AUG	2	4.0	1:	2	6:	2		
10 AUG	4	9.0	1:	14	6:	3	24:	2	17 AUG	6	8.0	1:	14	6:	6	8:	2
10 AUG	6	5.0	1:	15	17:	1	20:	4				20:	3				
10 AUG	2	7.0	1:	16	6:	1			17 AUG	3	4.0	1:	18	2:	1	8:	1
11 AUG	2	3.0	1:	4	6:	1	7:	1	17 AUG	3	2.5	1:	11				
11 AUG	6	4.0	1:	4	6:	1	8:	1	17 AUG	3	4.0	1:	29				
									18 AUG	3	2.5	6:	4				
11 AUG	3	3.0	1:	8	13:	2			18 AUG	3	4.0	1:	36	3:	1	6:	5
11 AUG	3	5.5	1:	55	6:	3	24:	1				8:	3				
12 AUG	3	6.0	1:	31	3:	2	6:	1	18 AUG	3	4.0	1:	7	2:	2		
									18 AUG	2	4.0	1:	4				
12 AUG	3	12.0							18 AUG	3	4.0	1:	3				
12 AUG	3	3.0	1:	11	7:	1			19 AUG	2	4.0	1:	4	6:	2		
12 AUG	2	8.0	1:	11	6:	6			19 AUG	3	4.0	1:	21	3:	2		
12 AUG	6	6.0	1:	13	6:	18	11:	3	19 AUG	2	2.0	1:	4				

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			1:	26	6:	1	20:	4				1:	33	8:	1	20:	2
19 AUG	3	4.0							31 AUG	3	4.0						
20 AUG	3	5.5	1:	3	3:	3	6:	2	1 SEP	6	3.0	1:	13	6:	4	14:	6
			20:	1	22:	1						20:	10	50:	12		
20 AUG	2	2.0	1:	3	6:	1	7:	1	1 SEP	3	4.0	1:	5	6:	18		
20 AUG	2	2.0	1:	1					2 SEP	3	2.0	3:	2	6:	1	8:	1
20 AUG	3	2.0	1:	3	6:	1	11:	2				20:	2				
20 AUG	3	2.0	1:	1					3 SEP	3	3.0	1:	1	6:	2		
20 AUG	3	8.0	1:	29	3:	4	6:	19	3 SEP	6	6.0	1:	24	5:	2	23:	1
			24:	27					3 SEP	6	6.0	1:	31	8:	1	20:	1
20 AUG	6	12.0	1:	30	3:	1	8:	1	3 SEP	2	8.0	1:	3	6:	2		
21 AUG	6	5.0	1:	7	8:	1	20:	2	3 SEP	3	7.0	1:	10	6:	4	7:	4
21 AUG	2	8.0	1:	23	8:	6			3 SEP	3	1.0	1:	3	6:	1		
21 AUG	3	9.0							4 SEP	3	2.0	1:	12				
21 AUG	3	4.0	1:	5	3:	1	13:	1	4 SEP	2	4.0	1:	7	6:	3		
21 AUG	3	3.5	1:	9	6:	2	24:	2	4 SEP	6	8.0	1:	9	20:	2		
21 AUG	3	6.0	1:	8	3:	1	6:	1	4 SEP	2	8.0	1:	28	3:	2	6:	16
			8:	5	24:	1						12:	1	22:	1		
22 AUG	3	3.0	1:	29	3:	1			4 SEP	6	3.0	2:	1	3:	1	7:	1
22 AUG	3	4.0	1:	29	6:	3						13:	2				
22 AUG	2	4.0	1:	2	8:	9			4 SEP	3	1.0	3:	1	6:	4		
23 AUG	6	2.5	3:	1	8:	6			4 SEP	6	5.0	6:	8	7:	2		
23 AUG	3	1.0	1:	2	4:	1	6:	1	5 SEP	2	4.0	1:	4	6:	4	8:	1
			7:	1					5 SEP	6	6.0	1:	10	2:	1	15:	1
23 AUG	3	9.0	1:	81	6:	1						20:	1				
24 AUG	3	4.0	1:	32	6:	2			5 SEP	3	4.0	1:	12	6:	1	7:	4
24 AUG	3	4.0	1:	8	20:	2						39:	1				
24 AUG	2	5.0	1:	2					5 SEP	2	6.0	1:	11	6:	4		
25 AUG	2	4.0	1:	11	8:	4			5 SEP	3	6.0	1:	10	3:	2	6:	1
25 AUG	6	6.0	1:	17	6:	3	11:	1	5 SEP	2	2.0	1:	2	6:	1		
26 AUG	6	6.0	1:	14	6:	7			7 SEP	3	6.0	1:	30	6:	4	24:	2
26 AUG	3	1.0	3:	1					7 SEP	3	2.0	1:	7				
26 AUG	3	5.0	1:	37	8:	1			8 SEP	6	3.0	6:	3				
26 AUG	2	2.5	1:	7	6:	3	23:	1	8 SEP	6	6.0	1:	21	20:	2		
27 AUG	3	3.5	1:	7	6:	2			8 SEP	2	2.5	1:	18	6:	2		
27 AUG	3	4.0	1:	25	24:	3			9 SEP	6	6.0	1:	12	20:	4		
27 AUG	6	4.0	6:	8	24:	1			9 SEP	2	4.0	1:	5	6:	1		
27 AUG	3	1.0	6:	2	39:	1			9 SEP	3	6.0	21:	1				
27 AUG	3	4.0	14:	15	16:	6	50:	24	10 SEP	3	1.5	1:	13				
			62:	16					10 SEP	2	8.0	1:	9	6:	2		
27 AUG	6	6.0	1:	23	14:	3			10 SEP	2	8.0	1:	17	6:	6		
27 AUG	2	6.0	1:	9	8:	3			10 SEP	6	12.0	1:	41	6:	5	20:	3
27 AUG	3	10.0	1:	48	20:	2			10 SEP	6	10.0	1:	34	6:	3		
27 AUG	6	6.5	1:	19	6:	4			10 SEP	3	4.5	1:	20	39:	1		
28 AUG	6	8.0	1:	17	6:	6	13:	2	10 SEP	3	8.0	1:	11	3:	1	6:	1
28 AUG	3	5.0	1:	14	6:	1						20:	2				
29 AUG	3	3.0	1:	10	6:	1			11 SEP	2	3.0	8:	1				
31 AUG	3	2.0	1:	1	6:	21			11 SEP	3	4.0	1:	1	6:	1	7:	2

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS FISHED					HOURS FISHED				
		— CATCH PER SPECIES —					— CATCH PER SPECIES —				
11 SEP	3	4.0+	13: 12	24: 21			24 SEP	6	10.0	1: 14	
11 SEP	2	4.0	1: 5				24 SEP	2	8.0	1: 17	6: 2
12 SEP	3	3.0	1: 2	6: 4	22: 2		24 SEP	3	3.0	22: 1	
14 SEP	2	8.0	1: 18	6: 2			24 SEP	2	3.0	1: 3	
14 SEP	2	4.0	1: 15	3: 2			25 SEP	2	8.0	1: 27	6: 1
15 SEP	2	8.0	1: 11	6: 3			25 SEP	6	10.0	1: 13	6: 3
15 SEP	3	5.5	1: 9	7: 1	90: 1		25 SEP	6	9.0	1: 26	3: 2
15 SEP	6	3.0	6: 2				25 SEP	2	10.0	1: 21	3: 2
15 SEP	3	4.0	1: 12	3: 1			26 SEP	2	3.5	1: 6	
15 SEP	2	3.5	1: 2	2: 1			26 SEP	6	6.0	1: 40	
16 SEP	3	8.5	1: 47	6: 1	13: 1		27 SEP	6	1.0		
			20: 2	24: 2			27 SEP	2	6.5	1: 21	3: 2
16 SEP	3	4.5	1: 12							8: 7	
16 SEP	3	8.0	22: 1	24: 23			28 SEP	2	9.0	1: 17	20: 2
16 SEP	3	2.0	1: 7				28 SEP	3	2.5	1: 1	8: 1
16 SEP	3	9.0	22: 1	24: 1			28 SEP	3	6.0		
16 SEP	2	4.0	1: 8	6: 1			29 SEP	3	3.5	1: 2	
16 SEP	6	10.0	1: 88	6: 10	20: 2		29 SEP	2	4.0	6: 1	
17 SEP	2	6.0	1: 19	6: 9			29 SEP	6	4.0	6: 6	
17 SEP	6	8.0	1: 43	6: 1	8: 2		29 SEP	2	2.5	6: 1	8: 1
17 SEP	3	9.0	21: 1				30 SEP	3	12.0	1: 30	6: 2
17 SEP	3	3.0	1: 3				30 SEP	6	3.0	1: 1	15: 1
17 SEP	3	6.5	1: 38	6: 5			30 SEP	6	4.0	1: 6	
17 SEP	3	7.0	1: 98	6: 1			30 SEP	3	3.5	1: 5	6: 1
18 SEP	3	6.0	1: 14	6: 1	23: 1		30 SEP	2	4.0	1: 5	
18 SEP	2	2.0	1: 6	6: 6			1 OCT	6	4.0	1: 1	6: 3
18 SEP	2	8.0	1: 2	3: 3	9: 20		1 OCT	2	4.0	6: 1	7: 1
19 SEP	6	8.0	1: 38	3: 1	6: 2		1 OCT	6	6.0	1: 15	6: 3
19 SEP	3	2.5	1: 2				2 OCT	2	6.0	1: 11	3: 4
20 SEP	6	1.0					2 OCT	6	3.0	1: 7	6: 1
20 SEP	6	2.0	6: 1				2 OCT	3	6.0	22: 1	
21 SEP	6	2.5	3: 1	6: 1	8: 3		2 OCT	2	4.0	20: 2	
22 SEP	6	2.5	6: 1				3 OCT	2	4.5	1: 5	20: 1
22 SEP	2	4.0	1: 5				3 OCT	3	8.0	22: 1	55: 1
22 SEP	3	3.5	1: 9				3 OCT	6	8.0	1: 7	6: 5
22 SEP	2	4.0	1: 4	6: 1			4 OCT	6	4.0	6: 8	
23 SEP	3	3.0	1: 4	6: 4			4 OCT	6	1.0	3: 1	6: 4
23 SEP	6	4.0	1: 3				4 OCT	2	5.0	1: 2	8: 2
23 SEP	2	4.0	1: 3	6: 1			5 OCT	2	4.0	1: 2	5: 1
23 SEP	2	8.0	1: 14	3: 6	6: 13		6 OCT	6	3.0	6: 6	
			8: 3				7 OCT	3	1.0		
23 SEP	6	8.0	1: 9	6: 11			7 OCT	2	4.0	1: 3	
23 SEP	2	3.0	1: 4	3: 2	6: 1		7 OCT	2	7.0	1: 32	6: 14
24 SEP	2	10.0	1: 16	3: 2	6: 1		7 OCT	2	4.0	1: 9	
24 SEP	3	9.0	1: 18				8 OCT	2	4.5	1: 4	6: 1
24 SEP	6	9.0	1: 36	3: 3	6: 1			20: 1		8: 1	
			8: 1				8 OCT	6	1.0	3: 1	6: 7

APPENDIX TABLE 19 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —							
			22:	1	33:	1	39:				29 OCT	4	6.0	3:	2	5:	33	6:
8 OCT	3	9.0	22:	1	33:	1	39:	1	29 OCT	4	6.0	3:	2	5:	33	6:	2	
			117:	1								7:	1					
8 OCT	3	8.0	24:	3					30 OCT	4	3.0	3:	6	5:	15	6:	3	
8 OCT	6	6.0	1:	3	6:	4						8:	8					
8 OCT	6	4.0	1:	2	6:	4	20:	6	30 OCT	6	2.5	1:	4	8:	1	20:	1	
9 OCT	3	9.0	22:	1					31 OCT	3	6.0	1:	1	11:	4	22:	2	
9 OCT	6	2.0	6:	1								23:	2	24:	4	39:	1	
10 OCT	6	5.0	1:	12	6:	2	8:	2	31 OCT	3	6.0	23:	2					
			20:	1								4 NOV	6	1.0		6:	3	
10 OCT	2	6.0	1:	11	6:	3						5 NOV	6	2.0	1:	1		
12 OCT	6	3.0	6:	12								6 NOV	2	4.0	3:	13	5:	12
13 OCT	6	3.0	1:	5	6:	7	8:	6				6 NOV	3	8.0				
13 OCT	2	4.5	1:	9	6:	2	8:	6				7 NOV	4	4.0	5:	13	8:	17
14 OCT	6	6.0	1:	3	6:	8	13:	1				9 NOV	3	2.0				
14 OCT	6	8.0	1:	8	8:	5	20:	1				18 NOV	6	1.0				
14 OCT	3	5.0	1:	3	6:	3	8:	1				19 NOV	1	4.0	5:	5		
14 OCT	2	4.0	1:	1	6:	1						22 NOV	4	4.0	3:	6	5:	11
14 OCT	3	1.5										25 NOV	4	4.0	5:	3	8:	1
14 OCT	2	4.0	1:	3	6:	2										13:	2	
15 OCT	6	1.0																
15 OCT	2	4.0	1:	3	6:	2	13:	5										
			20:	24	50:	1												
15 OCT	3	6.0	22:	1														
15 OCT	6	8.0	1:	2	3:	4	8:	6										
			12:	1														
15 OCT	6	10.0	1:	9	6:	12												
16 OCT	3	7.0	24:	1	55:	1												
17 OCT	6	3.0	1:	2	6:	3	8:	1										
			24:	1														
18 OCT	6	4.0	1:	2	6:	5	8:	3										
18 OCT	3	3.5	1:	3	6:	5												
19 OCT	6	1.0	6:	1	7:	1	13:	1										
21 OCT	3	2.0																
21 OCT	2	4.0	1:	1	6:	7												
21 OCT	3	7.0	22:	1														
21 OCT	2	3.5	1:	1	5:	1	6:	7										
			8:	8	17:	1												
22 OCT	3	2.0	1:	1														
22 OCT	2	4.0	1:	3	6:	1												
22 OCT	3	5.5	1:	1	6:	1												
22 OCT	2	2.0	1:	2	6:	1												
23 OCT	2	4.0	1:	5														
25 OCT	2	1.0	3:	3	6:	2	7:	1										
25 OCT	6	1.5																
27 OCT	4	4.0	3:	15	5:	12	6:	1										
28 OCT	2	3.0	1:	2	6:	2												
28 OCT	6	1.5	5:	1														

APPENDIX TABLE 20. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM NORTHWEST FLORIDA

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —								
			13: 3	14: 15	17: 3	50: 21	62: 10	13: 3				17 APR	3	6.0	13: 3	14: 32	17: 3	20: 14	50: 41	62: 6
12 MAR	3	4.0							16 APR	2	5.5									
13 MAR	3	3.5	13: 3	14: 12	17: 3	50: 1	62: 11	17 APR	3	4.5										
3 APR	3	6.0	13: 3	14: 32	17: 3	20: 50	50: 25	62: 70	17 APR	3	5.0									
4 APR	3	8.0	14: 6	17: 1	20: 12	50: 28	62: 1		17 APR	3	3.0									
4 APR	2	2.0	4: 1	14: 4	17: 2	50: 24			17 APR	3	7.0									
6 APR	2	2.0	4: 1	50: 18					18 APR	3	4.0									
6 APR	2	5.0	13: 1						19 APR	3	6.0									
7 APR	3	2.0	13: 15	14: 1	16: 1															
7 APR	2	4.0	14: 2	50: 5	62: 2															
8 APR	3	5.0	14: 46	17: 3	20: 30	50: 22	62: 8		19 APR	3	4.0									
8 APR	3	7.0	14: 50	17: 2	20: 20				20 APR	3	8.0									
9 APR	3	2.0	14: 9	20: 8	50: 12	62: 10	126: 1		21 APR	3	6.0									
10 APR	3	6.0	13: 4	14: 25	17: 12	20: 60	50: 75	62: 35	23 APR	2	4.0									
10 APR	3	7.0	14: 40	17: 6	20: 10				23 APR	2	1.5									
10 APR	2	3.0	14: 12	20: 2	50: 10	62: 7			23 APR	3	5.0									
10 APR	3	8.0	14: 22	15: 2	17: 5	18: 1	20: 5	50: 12	23 APR	3	7.0									
10 APR	3	6.0	13: 12	14: 19	20: 5	50: 55	54: 1	62: 25	23 APR	3	6.0									
11 APR	2	1.0	4: 1						23 APR	3	4.0									
11 APR	3	7.0	14: 20	17: 10	20: 10				24 APR	2	4.0									
12 APR	3	7.0	14: 10	17: 8	20: 10				24 APR	2	2.0									
12 APR	3	1.0	20: 4						24 APR	2	14: 12									
13 APR	3	7.0	13: 20	17: 2																
14 APR	2	3.0	14: 4	20: 1	50: 14	62: 3			25 APR	3	8.0									
15 APR	3	8.0	17: 3	50: 200	54: 1	62: 4			25 APR	3	2.0									
15 APR	3	7.0							25 APR	3	6.0									
16 APR	3	7.0	17: 20	37: 2					26 APR	3	1.0									
16 APR	3	4.0	14: 2	20: 1	50: 30				26 APR	6	6.0									
16 APR	3	6.0	13: 30	14: 10	17: 1	20: 28	50: 43	62: 13	26 APR	2	4.0									
16 APR	3	12.0	6: 1	14: 35	17: 17	20: 3	50: 8		27 APR	2	3.0									
16 APR	3	6.0	13: 2	14: 38	17: 13	50: 47	62: 31		27 APR	3	10.0									
									27 APR	2	3.0									

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —								
			50: 12	62: 8	14: 127	17: 2	20: 2	5 MAY				6.0+	20: 3	50: 11	62: 16	13: 15	14: 1	50: 63	62: 54	
27 APR	2	3.0+	50: 12	62: 8				5 MAY	2	6.0+	20: 3	50: 11	62: 16							
27 APR	3	4.0	14: 127	17: 2	20: 2			5 MAY	3	7.0	13: 15									
28 APR	3	6.0	14: 13	17: 1	20: 23			5 MAY	3	12.0	13: 1	14: 46	17: 3							
			50: 33	62: 17						20: 30	50: 27	62: 5								
28 APR	2	6.0	14: 36	20: 10	50: 16					118: 1										
			62: 4					6 MAY	3	7.0	13: 15									
29 APR	3	4.0	13: 1	14: 25	20: 10			6 MAY	2	5.0	13: 23	17: 4								
			24: 50	62: 50				7 MAY	3	5.0	14: 1	50: 63	62: 54							
29 APR	3	6.0	13: 43	20: 17	62: 2			7 MAY	3	8.0	14: 14	17: 1	20: 3							
29 APR	3	4.0	14: 92	20: 24	50: 20					50: 6	62: 2									
			62: 11					7 MAY	3	3.0	14: 3	50: 45								
29 APR	3	5.5	20: 4	50: 25	62: 6			7 MAY	3	7.0	14: 15	17: 12	20: 1							
30 APR	3	5.0	20: 6	50: 28	62: 6					50: 18	62: 12									
30 APR	3	2.0	20: 2	50: 14	62: 9			7 MAY	3	3.0	62: 9	85: 16								
30 APR	3	6.0	14: 50					7 MAY	3	4.0	14: 32	20: 27	50: 14							
30 APR	3	6.0	13: 29	14: 19	16: 1					62: 13										
			17: 3	20: 7	50: 28			7 MAY	3	7.0	17: 20									
			62: 1					7 MAY	3	8.0	13: 24	14: 27	20: 18							
30 APR	2	5.0	13: 4	50: 3						50: 8	62: 12									
30 APR	6	5.0	14: 10	15: 3	17: 10			7 MAY	3	4.0	16: 1	50: 43								
			20: 3	50: 6	62: 4			7 MAY	2	3.0	20: 4	50: 15								
30 APR	3	4.0	14: 1	20: 20	24: 30			8 MAY	3	7.0	14: 4	16: 1	17: 1							
30 APR	3	5.0	14: 18	16: 1	20: 8					20: 2	50: 12	62: 20								
			50: 140	99: 1				9 MAY	2	7.0	13: 26	17: 4								
30 APR	3	6.0	13: 2	14: 81	17: 3			9 MAY	6	8.0	12: 2	20: 4	50: 65							
			20: 28	50: 29	62: 62					62: 20										
30 APR	3	4.0	13: 1	20: 1	50: 18			10 MAY	3	8.0	20: 4	50: 65	62: 20							
			85: 5					11 MAY	3	1.0	13: 48									
1 MAY	2	3.0	14: 41	16: 2	17: 5			12 MAY	3	1.0	13: 50									
			20: 2	50: 10	62: 1			12 MAY	3	10.0	13: 14	14: 38	20: 12							
1 MAY	3	6.0	14: 3	16: 1	17: 4					42: 10	50: 8	62: 11								
			20: 20	50: 30				12 MAY	2	6.0	14: 24	16: 1	17: 2							
1 MAY	3	4.0	50: 45	62: 15						20: 12	50: 23	62: 68								
1 MAY	3	3.0	14: 5	17: 2	20: 2			12 MAY	3	5.0	50: 53									
			50: 3	62: 2				13 MAY	3	3.0	13: 5									
1 MAY	3	8.0	13: 13	14: 70	16: 2			13 MAY	3	6.0	14: 18	17: 5	20: 6							
			17: 4	20: 93	50: 45					50: 20	62: 2									
			62: 11					13 MAY	3	6.0	13: 53	14: 11	17: 1							
1 MAY	3	7.0	14: 50							20: 19	50: 23	62: 9								
1 MAY	3	5.0	14: 12	20: 15	50: 35			13 MAY	3	6.0	13: 20	14: 15								
			62: 3					14 MAY	3	6.0	2: 1	13: 36	14: 9							
3 MAY	3	7.0	14: 10	17: 12						50: 23	62: 30									
3 MAY	2	1.0	20: 1					14 MAY	3	6.0	14: 10	17: 20								
4 MAY	3	7.0	14: 20	17: 5				14 MAY	6	5.5	14: 40	16: 1	17: 1							
4 MAY	3	8.0	14: 16	15: 1	17: 2					20: 30	50: 2	62: 3								
			20: 4	50: 6	62: 2			14 MAY	2	5.0	13: 29									
5 MAY	2	6.0	14: 14	17: 1	18: 1			14 MAY	3	6.0	14: 6	16: 1	20: 7							

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				
			50: 30	62: 25	50: 37	14: 17	20: 8				8: 8	14: 6	20: 5	50: 25	62: 20
14 MAY	3	6.0+	50: 30	62: 25				22 MAY	3	8.0	13: 16	14: 2	17: 3		
14 MAY	3	5.0	14: 17	20: 8	50: 37						20: 18				
14 MAY	2	2.0	8: 8	14: 6	20: 5	50: 8	62: 4	85: 12	22 MAY	6	5.0	14: 20	16: 5	17: 10	20: 8
14 MAY	3	6.0	13: 1	14: 20	20: 22	50: 25	62: 20		22 MAY	3	5.5	14: 5	17: 2		
14 MAY	3	7.0	13: 3	14: 80	17: 2	20: 28	50: 15	62: 31	23 MAY	6	5.0	14: 15	16: 3	17: 12	
14 MAY	3	8.0	14: 1	17: 1	20: 4	50: 25	62: 18		23 MAY	3	4.0	13: 21	14: 2	17: 1	20: 46
15 MAY	3	6.0							23 MAY	3	6.0	13: 1	14: 5	17: 1	50: 12
15 MAY	3	6.0	14: 23	20: 15	50: 85	62: 23		24 MAY	3	1.0	13: 5			50: 4	85: 2
15 MAY	3	3.0	13: 28	14: 3	16: 1	20: 22	50: 1	62: 46	24 MAY	3	4.0	13: 33	14: 28	16: 1	20: 33
15 MAY	3	5.0	13: 10	14: 20	17: 5				24 MAY	3	11.0	13: 3	14: 32	17: 1	62: 20
17 MAY	3	5.0	13: 12	20: 20				24 MAY	3			20: 60	42: 1	50: 21	
17 MAY	3	4.0	14: 5	15: 1	17: 4	20: 3	50: 7	62: 3				62: 12			
17 MAY	2	2.0	13: 1	14: 2	20: 1	50: 15	62: 12		25 MAY	6	5.0	13: 20			
18 MAY	2	6.0	13: 9	14: 25	17: 2	20: 1	50: 25		25 MAY	3	1.0	13: 19	14: 1		
20 MAY	2	6.0	17: 2	20: 3	50: 10				25 MAY	3	1.0	13: 5			
20 MAY	3	8.0	14: 20	17: 1	20: 7	50: 15	62: 17		26 MAY	3	8.0	13: 10	17: 6	20: 28	
20 MAY	2	2.0	14: 1	17: 1	50: 15	62: 6			26 MAY	3	2.0	14: 4	15: 2	17: 2	
20 MAY	3	3.0	13: 12	20: 32	50: 9	54: 1	62: 23		26 MAY	6	5.0	13: 10	14: 20		
21 MAY	3	4.0	14: 12	20: 26	50: 14	62: 5			27 MAY	3	10.0	5: 1	13: 1	14: 12	
21 MAY	3	5.0	14: 50	17: 12					27 MAY	6	5.0	16: 1	50: 40	62: 35	
21 MAY	3	3.0	12: 1	13: 26	14: 1	20: 21	50: 19	62: 2	27 MAY	3	6.0	13: 49	14: 11	17: 5	
21 MAY	3	8.0	6: 1	13: 12	14: 41	16: 12	18: 8	20: 4	27 MAY	3	2.0	20: 63	50: 6	62: 23	
21 MAY	3	2.0	20: 1	50: 17	85: 8	50: 261	62: 201		28 MAY	3	6.0	13: 11	14: 6	20: 1	
21 MAY	2	5.0	13: 4	14: 6	17: 1	20: 12			28 MAY	2	6.0	42: 1	50: 1		
21 MAY	3	6.0	14: 12	16: 1	17: 4	20: 5	50: 10	62: 10	28 MAY	3	7.0	14: 17	17: 2	20: 6	
21 MAY	3	5.0	14: 14	17: 3	50: 55	62: 20			28 MAY	3	8.0	13: 15	14: 20	50: 50	62: 45
21 MAY	2	4.0	13: 7	14: 2	20: 8	20: 1	50: 17		28 MAY	3	4.0	14: 37	16: 1	17: 2	
21 MAY	3	6.0	14: 16	50: 17					28 MAY	3		20: 15	50: 30	62: 16	
21 MAY	2											13: 8	14: 4	20: 11	
21 MAY	3											62: 1			

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			13: 20	17: 3	20: 14	24: 12	50: 130				17: 6	2: 1	13: 23	14: 11	20: 43	50: 5	62: 3
28 MAY	6	5.0	13: 20	17: 3				3 JUN	3	5.0	7: 1	13: 23	14: 11				
28 MAY	3	5.0	13: 16	14: 19	17: 3			3 JUN	3	6.0	2: 1	13: 15	14: 10				
			20: 14	24: 12	50: 130	62: 23											
28 MAY	3	8.0	14: 8	17: 6	20: 8			3 JUN	4	6.0	13: 1	16: 1	17: 2				
			50: 15	62: 13													
28 MAY	3	5.5	13: 4	16: 2	17: 2			4 JUN	3	5.5	14: 5	18: 1	20: 4				
29 MAY	3	6.0	13: 12	16: 3	17: 2			4 JUN	3	6.0	14: 25	20: 25					
			20: 12					4 JUN	3	5.0	6: 2	14: 39	17: 1				
29 MAY	3	5.0	14: 35	16: 1	17: 5			4 JUN	3	5.0	20: 32	50: 25	62: 18				
			20: 6	50: 11	62: 15			4 JUN	3	5.0	13: 19	14: 37	20: 47				
29 MAY	2	4.0	13: 7	20: 3							50: 13	62: 9					
29 MAY	3	4.0	13: 2	14: 4	50: 6			4 JUN	3	8.0	13: 6	14: 4	20: 30				
			62: 15								50: 14	54: 1	62: 5				
29 MAY	3	3.0	6: 2	14: 4	20: 3			4 JUN	3	3.0	13: 8						
			50: 17					4 JUN	3	12.0	6: 3	13: 7	14: 19				
29 MAY	3	5.0	1: 1	3: 1	6: 5			4 JUN	2	2.0	15: 3	16: 2	17: 11				
			8: 5	12: 1	13: 12			4 JUN	3	6.0	8: 12	13: 11					
			23: 1					4 JUN	3	6.0	13: 10	14: 31	17: 1				
29 MAY	3	6.0	14: 1	18: 1	20: 8			4 JUN	2	3.0	20: 3	50: 5					
			50: 5	85: 10				4 JUN	2	3.0	13: 22						
29 MAY	2	6.0	14: 6	17: 1	20: 4			4 JUN	3	5.0	13: 18	14: 30	16: 1				
			50: 15	62: 18							17: 1	20: 21	50: 46				
30 MAY	3	5.0	14: 51	16: 1	17: 1						62: 8						
			20: 16	50: 65	62: 14			5 JUN	2	5.0	14: 4	17: 1	20: 12				
30 MAY	3	2.0	14: 2	20: 1	50: 4						50: 7	62: 14					
30 MAY	3	3.0	14: 3	20: 2	50: 13			5 JUN	2	3.0	13: 18						
30 MAY	3	6.0	13: 20					5 JUN	3	1.0	2: 1	13: 2					
30 MAY	3	5.0	13: 1	14: 95	17: 7			5 JUN	6	6.0	13: 5	14: 20	16: 2				
			20: 65	50: 23	62: 36						17: 5						
31 MAY	6	2.0	6: 3	13: 11				5 JUN	3	4.0	13: 19	14: 42	17: 3				
1 JUN	3	1.0	13: 12								20: 17	50: 2	62: 6				
1 JUN	3	6.0	13: 25					6 JUN	3	2.0	13: 32						
1 JUN	2	3.5	7: 7	8: 5	13: 6			6 JUN	6	6.0	13: 2	14: 25	16: 1				
1 JUN	3	5.5	8: 15	13: 7							17: 15						
2 JUN	3	5.5	13: 3	14: 18	18: 3			6 JUN	3	5.0	12: 1	13: 17	50: 2				
			20: 4								54: 3						
2 JUN	2	1.0	13: 21					6 JUN	3	6.0	13: 28	14: 31	16: 1				
2 JUN	2	3.0	13: 32								17: 3	20: 12	50: 16				
2 JUN	3	5.0	14: 6	17: 3	20: 15						62: 21						
			50: 62	62: 51				7 JUN	2	3.0	14: 2	17: 4	20: 1				
3 JUN	3	5.0	13: 26	14: 41	17: 3			7 JUN	3	4.0	50: 2	54: 2					
			20: 14	50: 21	62: 15			7 JUN	3	4.0	13: 23	14: 19	20: 31				
3 JUN	2	3.0	13: 16								50: 23	62: 17					
3 JUN	3	3.0	13: 12	14: 1				8 JUN	6	6.0	14: 25	16: 10	17: 10				
3 JUN	3	5.0	14: 1	17: 4	20: 5			8 JUN	2	1.0	13: 19						
			50: 15	62: 4				8 JUN	2	5.5	13: 2	14: 6	20: 16				

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			50: 21	62: 42	13: 2	17: 1	20: 1				4.0+	62: 12	3.0	13: 10	13: 6	14: 18	20: 46
8 JUN	2	5.5+	50: 21	62: 42				12 JUN	4	4.0+	62: 12						
8 JUN	2	2.0	13: 2	17: 1	20: 1			12 JUN	3	3.0	13: 10						
8 JUN	2	3.0	7: 8					12 JUN	3	4.0	13: 6	14: 18	20: 46				
9 JUN	2	8.0	6: 7	12: 1	13: 16			12 JUN	2	5.0	14: 6	17: 1	20: 9				
			14: 3	16: 2	17: 4			12 JUN	2	5.0	14: 6	17: 1	20: 9				
			20: 19					12 JUN	2	1.0	13: 1						
9 JUN	2	3.0	13: 1					12 JUN	2	2.0	13: 2						
9 JUN	2	6.0	13: 1	14: 14	20: 3			12 JUN	2	2.0	13: 7						
			50: 12	62: 3				13 JUN	2	1.5	13: 1						
9 JUN	3	4.0	13: 20	14: 42	20: 12			14 JUN	2	5.0	14: 12	16: 1	20: 14				
			50: 31	62: 73				14 JUN	2	6.0	13: 10	14: 20					
9 JUN	3	3.0	7: 17	14: 35	17: 2			14 JUN	6	5.0	5: 6	62: 9					
			20: 14	50: 18	62: 15			14 JUN	6	6.0	13: 3	20: 18	50: 31				
9 JUN	3	7.0	6: 1	13: 10	14: 13			14 JUN	3	5.0	5: 1	7: 1	13: 35				
			16: 1	17: 1	20: 40			14 JUN	3	6.0	14: 3	20: 18	50: 31				
			50: 32	62: 47						6.0	14: 40	16: 3	17: 8				
9 JUN	3	1.5	13: 33					15 JUN	6	6.0	6: 1	14: 12	17: 1				
10 JUN	3	4.5	13: 28					15 JUN	3	4.0	13: 5	14: 53	18: 1				
10 JUN	6	6.0	13: 20							20: 6	50: 1	62: 8					
10 JUN	3	2.0	6: 12	13: 3	14: 40			15 JUN	3	5.0	13: 21	14: 36	20: 41				
			17: 1	50: 15	62: 20			15 JUN	3	5.0	50: 16	62: 3					
			79: 1					16 JUN	2	5.0	6: 1	14: 12	17: 1				
10 JUN	3	4.0	6: 4	13: 21	14: 57			16 JUN	3	2.0	20: 12	50: 16	62: 28				
			20: 12	50: 18	62: 61			16 JUN	6	4.0	12: 1	20: 4	50: 2				
10 JUN	3	6.0	13: 26	14: 27	16: 1			17 JUN	3	6.0	13: 5	17: 5	37: 2				
			17: 3	20: 21	50: 42			17 JUN	2	3.0	14: 25	20: 20	50: 25				
			62: 31					17 JUN	2	2.5	14: 20	16: 1	17: 5				
10 JUN	2	2.0	13: 7					17 JUN	2	2.5	20: 12	50: 18	62: 3				
10 JUN	3	4.0	13: 16							6.0	14: 41	16: 1	17: 3				
11 JUN	3	5.0	13: 12	14: 12	15: 1			18 JUN	3	6.0	20: 27	24: 1	50: 37				
			17: 3	50: 8	62: 3					1.0	2: 1	13: 4					
11 JUN	2	8.0	5: 3	13: 11	14: 4			18 JUN	3	6.0	14: 75	20: 17	50: 60				
			17: 6	20: 29				18 JUN	3	6.0	14: 17	17: 7	20: 10				
11 JUN	3	3.0	13: 29					18 JUN	3	8.0	24: 15	50: 16	62: 16				
11 JUN	3	6.0	6: 3	7: 5	8: 2			18 JUN	3	3.0	13: 36	14: 23	20: 15				
			12: 1	13: 6	14: 4					54: 1	62: 2						
			17: 4	20: 3	35: 1			18 JUN	3	6.0	14: 20	15: 2	17: 12				
			50: 1	54: 10						4.0	14: 9	20: 36	50: 10				
11 JUN	3	6.0	13: 4	14: 28	17: 1			18 JUN	6	6.0	62: 2						
			20: 6	50: 38	62: 26			18 JUN	3	4.0	14: 21						
11 JUN	6	6.0	13: 10	17: 10						1.0	13: 21						
11 JUN	3	1.0	13: 18					19 JUN	3	1.0	13: 6	24: 6					
11 JUN	3	3.0	13: 10	16: 2				19 JUN	2	2.0	2: 3	8: 8	13: 14				
11 JUN	3	5.0	13: 7	14: 17	17: 3			19 JUN	3	12.0	14: 4	16: 2	17: 5				
			20: 17							22: 1							
12 JUN	3	5.5	14: 18	17: 3				19 JUN	2	1.5	14: 1	17: 1	20: 12				
12 JUN	4	4.0	14: 8	15: 2	50: 14												

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
19 JUN	2	1.5+	50:	6				27 JUN	2	2.0	13:	4	14:	20	16:	1	
19 JUN	2	6.0	13:	3	14:	21	17:	1			17:	3	50:	3	62:	21	
			20:	12	50:	4	62:	22	28 JUN	2	3.0	13:	1	14:	16	20:	4
20 JUN	2	2.0	13:	1	14:	18	20:	4			50:	14	62:	21			
			50:	2	62:	41			29 JUN	2	3.0	14:	3	17:	1	20:	12
20 JUN	2	1.0	20:	8	50:	6					24:	2	50:	3	62:	31	
21 JUN	2	6.0	14:	4	17:	2	20:	12	29 JUN	3	1.0	13:	2	14:	25		
			50:	28	62:	40			29 JUN	2	6.0	13:	18				
22 JUN	2	6.0	14:	31	17:	1	20:	4	30 JUN	2	3.5	13:	14				
			50:	21	62:	38			30 JUN	3	2.0	13:	10				
22 JUN	3	4.0	11:	1	13:	8	14:	1	30 JUN	3	2.0	12:	1	13:	3	20:	10
			20:	1	50:	6					50:	10	62:	10			
22 JUN	3	4.0	6:	1	13:	16	14:	23	30 JUN	2	3.0	14:	12	20:	3	50:	7
			17:	1	20:	8	54:	2			62:	4					
			62:	13					1 JUL	3	6.0						
23 JUN	3	2.0	13:	1					1 JUL	3	2.0	13:	2	54:	3	62:	7
23 JUN	2	6.0	14:	8	20:	23	50:	28	1 JUL	2	3.0	13:	13	14:	1	17:	1
			62:	3					2 JUL	3	10.0						
24 JUN	3	5.0	6:	1	13:	12	14:	46	2 JUL	3	2.0	18:	1	20:	12	50:	8
			16:	2	17:	4	18:	1			62:	6	87:	1			
			20:	14	50:	6	62:	14	2 JUL	3	8.0	13:	1	14:	34	16:	2
24 JUN	3	1.0	13:	2	14:	3	20:	4			17:	1	20:	8	24:	1	
			50:	7							54:	1					
24 JUN	3	4.0	6:	4	13:	16	14:	36	2 JUL	6	6.0	2:	1	12:	1	13:	13
			16:	2	20:	3	24:	1			16:	1	17:	4	20:	7	
			50:	23	62:	132					22:	1					
25 JUN	3	2.0	13:	23					3 JUL	2	1.5	13:	1	20:	6	50:	8
25 JUN	3	5.0	13:	2	14:	22	17:	1	3 JUL	3	5.0	13:	21	14:	18	17:	2
			20:	2	50:	7	62:	3			20:	4	50:	29	62:	82	
25 JUN	2	1.5	14:	5	20:	13	50:	4	3 JUL	3	4.0	14:	3	20:	8	50:	29
25 JUN	3	5.0	13:	7	14:	62	16:	1			62:	11					
			17:	2	20:	41	50:	21	3 JUL	3	4.0	13:	19	14:	21	20:	12
			62:	7							50:	2	54:	1	62:	41	
25 JUN	2	6.0	6:	7	14:	8	17:	1	4 JUL	3	2.0	13:	15	14:	16	20:	13
			20:	11	50:	76					62:	23					
25 JUN	3	5.0	12:	15					4 JUL	3	5.0	13:	1	14:	6	17:	1
26 JUN	3	4.0	13:	42	14:	26	16:	18			20:	6	62:	20			
			17:	14	18:	2	20:	1	4 JUL	2	6.0	13:	1	14:	3	20:	12
			24:	6	50:	103	62:	180			50:	23	62:	51			
26 JUN	3	4.5	2:	1	11:	4	13:	5	4 JUL	3	3.5	20:	12	24:	4	50:	12
			20:	15	24:	3	62:	10	5 JUL	3	3.0	14:	1	20:	10	50:	8
26 JUN	3	6.0	6:	4	13:	46	14:	127	5 JUL	3	5.0	14:	12	17:	1	20:	38
			16:	2	20:	28	62:	42			24:	4	50:	12	62:	50	
27 JUN	3	3.0	14:	1	20:	4	50:	20	5 JUL	3	8.0	1:	1	6:	1	13:	1
			62:	4	76:	1					14:	16	16:	2	17:	3	
27 JUN	3	3.0									20:	20	42:	2	50:	15	
27 JUN	2	2.0	14:	1	20:	20	50:	9			62:	18					

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			13: 4	14: 26	20: 4	12 JUL	3	1.0				13: 3	14: 8	62: 15	13: 23	14: 106	20: 47
5 JUL	3	2.0	13: 4	14: 26	20: 4	12 JUL	3	1.0	13: 7								
5 JUL	3	2.0	14: 31	20: 6	50: 1	12 JUL	3	3.0	13: 3	14: 8	62: 15						
6 JUL	3	12.0	6: 8	13: 19	14: 6	12 JUL	3	5.0	6: 1	13: 14	14: 3						
			16: 2	17: 7				20: 4	50: 82	62: 40							
6 JUL	3	5.0	13: 4	14: 32	20: 20	12 JUL	3	2.0	20: 5	50: 1							
			50: 51	62: 26		13 JUL	3	2.0	13: 4	24: 32	72: 4						
6 JUL	2	3.0	13: 11			13 JUL	3	5.0	6: 5	14: 21	20: 28						
7 JUL	3	2.5	13: 14						50: 6	62: 40							
7 JUL	3	5.0	14: 12	20: 2	24: 16	13 JUL	3	2.0	13: 28	14: 21	20: 9						
			50: 20	62: 3		14 JUL	3	4.0	13: 18	14: 16	20: 21						
7 JUL	3	3.0	13: 21	14: 18	20: 14	14 JUL	3	4.0	50: 13	54: 1	62: 11						
			50: 3	62: 36		15 JUL	3	4.5	14: 58	17: 1	20: 6						
7 JUL	3	8.0	2: 2	14: 28	20: 23	14 JUL	3	4.5	50: 5	62: 5							
			50: 20	54: 1	62: 12	15 JUL	3	5.0	6: 1	7: 3	14: 27						
8 JUL	3	2.0	13: 10	14: 31	20: 3	14 JUL	3	5.0	13: 1	14: 14	20: 20						
8 JUL	3	6.0	13: 21	14: 32	16: 1			5.0	50: 27	62: 8							
			17: 2	20: 6	50: 38	15 JUL	3	5.0	20: 12	50: 34	62: 42						
8 JUL	3	1.5				15 JUL	3	12.0	5: 2	6: 3	13: 11						
8 JUL	2	4.0	13: 10						14: 2	18: 4	20: 19						
9 JUL	2	7.0	6: 4	8: 2	14: 7	15 JUL	3	3.0	13: 23	14: 1	42: 1						
			17: 4	20: 8	50: 23			62: 1									
9 JUL	3	4.0	6: 1	13: 3	14: 25	15 JUL	3	1.0	14: 15	20: 3	50: 2						
			17: 3	20: 4	50: 3	15 JUL	3	4.0	13: 1	14: 6	20: 8						
9 JUL	3	1.0	13: 1			16 JUL	3	7.0	13: 1	14: 30	20: 50						
9 JUL	3	5.0	13: 6	14: 42	20: 18			50: 7	62: 21								
			50: 26	62: 3		16 JUL	3	3.0	14: 43	20: 28	42: 1						
9 JUL	3	5.0	1: 1	13: 9	17: 1			50: 31	62: 67								
			20: 13	24: 1	50: 32	16 JUL	3	5.0	14: 116	20: 8							
9 JUL	3	5.0	14: 26	20: 6	62: 3			5.0	11: 1	13: 4	14: 14						
10 JUL	3	4.0	13: 21	14: 19	20: 14			17: 1	20: 16	50: 12							
			50: 17	62: 43		16 JUL	3	3.0	11: 2	13: 2	72: 1						
10 JUL	3	5.0	13: 14	14: 14	20: 8	16 JUL	6	5.0	13: 7	14: 4	17: 1						
			50: 6	62: 20				20: 2	50: 5	62: 2							
10 JUL	3	5.0	6: 3	13: 1	14: 34	17 JUL	3	3.0	13: 5	14: 22	20: 9						
			20: 27	50: 45	62: 20	17 JUL	3	5.0	6: 2	13: 6	14: 14						
10 JUL	3	8.0	6: 4	11: 1	12: 1			17: 1	20: 22	50: 36							
			13: 21	14: 6	17: 10			62: 57									
			20: 24			17 JUL	3	1.5	14: 41	20: 1	24: 2						
10 JUL	3	4.5	14: 35	50: 12	62: 6			50: 4	62: 3								
11 JUL	6	4.0	13: 7	14: 2	16: 1	17 JUL	3	6.0	13: 23	14: 106	20: 47						
			50: 2					50: 13	54: 1	62: 67							
11 JUL	3	4.0	13: 11	14: 67	20: 43	18 JUL	3	1.0	13: 2	14: 13	20: 2						
			50: 31	54: 1	62: 96	19 JUL	3	6.0	13: 12	14: 39	16: 2						

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
19 JUL	3	6.0+	50:	12	62:	15		24 JUL	3	10.0+	14:	65	16:	8	17: 20	
19 JUL	3	5.0	6:	1	7:	14	14:	38			20:	20	22:	1	24: 2	
			18:	1	20:	4	50:	41	25 JUL	3	2.0	6:	5	13:	3	14: 6
			62:	26							17:	4	20:	6		
19 JUL	3	2.0	2:	1	13:	3		25 JUL	3	4.0	13:	14	14:	19	17: 2	
19 JUL	2	2.0	20:	3	50:	6					20:	11	50:	3	54: 2	
20 JUL	3	12.0	13:	16	14:	11	16:	2			62:	12				
			17:	4	20:	27		25 JUL	3	3.0	14:	35	20:	7		
20 JUL	3	6.0	6:	4	7:	1	13:	14	25 JUL	3	8.0	6:	1	13:	1	14: 13
			14:	3	17:	3	20:	2			16:	1	17:	1	50: 10	
			50:	4	62:	12					62:	1	71:	1		
20 JUL	3	3.0	13:	10	14:	18	20:	22	25 JUL	6	5.0	14:	32	17:	1	50: 12
			50:	23	54:	2	62:	13			62:	4				
21 JUL	3	1.0	13:	2	14:	15	17:	1	26 JUL	3	5.0	6:	6	14:	4	20: 12
			20:	2							50:	60	62:	50		
21 JUL	3	2.0	13:	5	14:	7	62:	3	26 JUL	3	5.0	13:	6	14:	12	17: 2
21 JUL	3	5.0	6:	1	13:	6	14:	12			20:	31	50:	6	54: 2	
			20:	4	50:	32	62:	41			62:	19				
21 JUL	3	2.0	20:	1	50:	27		27 JUL	2	2.5	6:	1	13:	4	14: 20	
21 JUL	2	4.0	13:	7							20:	28	50:	12	62: 10	
22 JUL	2	3.0	14:	1	50:	8		27 JUL	3	6.0	6:	2	14:	6	16: 2	
22 JUL	3	1.0	13:	1							17:	7	20:	8	24: 2	
22 JUL	3	6.0	6:	2	7:	12	13:	10			50:	15	62:	6		
			14:	38	17:	1	20:	20	28 JUL	3	7.0	13:	2	17:	1	20: 16
			50:	42	62:	26					50:	110				
22 JUL	3	12.0	6:	4	13:	9	14:	7	28 JUL	2	8.0	1:	2	6:	11	12: 1
			15:	1	16:	3	17:	5			13:	9	14:	3	16: 1	
			20:	29	22:	1					17:	4	20:	7	24: 17	
22 JUL	3	1.0	13:	9				28 JUL	3	5.0	6:	4	7:	1	14: 14	
23 JUL	3	6.0	13:	6	14:	67	16:	4			17:	1	20:	6	50: 56	
			17:	1	20:	31	50:	17			62:	41				
			62:	23				28 JUL	3	2.0	13:	4				
23 JUL	3	8.0	6:	9	13:	26	14:	9	28 JUL	3	4.0	13:	6	14:	13	20: 21
			20:	15							50:	11	54:	1	62: 6	
23 JUL	2	3.5	6:	10	7:	32		28 JUL	3	2.0	2:	1	13:	3	14: 1	
23 JUL	2	6.0	13:	4	16:	1					50:	2	62:	1		
24 JUL	6	5.0	1:	1	6:	1	7:	1	28 JUL	3	8.0	1:	3	6:	14	7: 1
			13:	1	14:	25	50:	15			13:	11	14:	34	16: 5	
			62:	2	78:	1					17:	15	20:	20		
24 JUL	3	5.0	6:	1	14:	28	17:	1	29 JUL	3	0.5	13:	5			
			20:	2	50:	21	62:	6	29 JUL	3	5.0	13:	1	14:	14	16: 1
24 JUL	6	8.0	14:	40	17:	3	20:	16			17:	2	20:	14	50: 64	
24 JUL	3	5.0	6:	1	13:	11	14:	26			62:	72				
			20:	31	50:	13	54:	1	29 JUL	6	12.0	6:	4	13:	14	14: 6
			62:	21							17:	5				
24 JUL	3	2.0	14:	20	20:	2	50:	6	29 JUL	3	8.0	13:	2	14:	3	17: 13
24 JUL	3	10.0	1:	2	6:	20	13:	17			20:	12	42:	1	50: 10	

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			70: 1	14: 14	17: 1	20: 25	50: 20				13: 5	14: 16	20: 14	50: 8	62: 20		
29 JUL	3	8.0+	70: 1					5 AUG	3	5.0+	20: 28	50: 14	62: 52				
30 JUL	3	12.0	14: 14	17: 1	20: 25	50: 20	54: 1	62: 12		5.5	1: 1	6: 3	7: 1	13: 4	14: 56	16: 1	
			118: 1					5 AUG	3	5.5	1: 1	6: 3	7: 1	17: 4	18: 1	20: 15	
30 JUL	2	4.0	6: 14	7: 50	12: 1						14: 16	20: 13	50: 7	62: 8			
30 JUL	3	5.0	13: 2	14: 5	17: 1	20: 1	50: 15	75: 1	6 AUG	6	2.0	14: 16	20: 13	50: 7	14: 58	20: 31	50: 41
30 JUL	3	1.0	13: 1								5.0	6: 1	7: 2	13: 16	54: 2	62: 93	
30 JUL	3	2.0	6: 2	14: 37	17: 2	20: 15			6 AUG	3	6.0	6: 2	13: 4	14: 16	17: 6	20: 19	50: 6
31 JUL	3	12.0	1: 3	6: 8	13: 10	14: 65	16: 7	17: 18	6 AUG	3	6.0	6: 2	13: 4	14: 16	62: 21		
31 JUL	3	0.5	14: 4	20: 3		20: 54	22: 1				8.0	1: 4	13: 5	14: 2	17: 6	24: 13	
31 JUL	3	5.0	12: 1	13: 12	14: 32	17: 1	20: 32	50: 16			12.0	2: 3	12: 1	13: 16	14: 7	16: 2	17: 9
31 JUL	3	8.0	1: 29	3: 3	6: 18	11: 1	24: 9				1.0	14: 13	16: 1	17: 1	20: 15	24: 7	
1 AUG	3	2.0	13: 2	14: 21	20: 30	54: 4	62: 11		7 AUG	3		20: 4	50: 2	62: 1	13: 2	20: 21	54: 3
1 AUG	6	2.0	13: 2	14: 2	20: 2	50: 2	62: 2		7 AUG	3	5.0	6: 2	13: 1	14: 14	17: 1	20: 3	50: 16
1 AUG	3	3.0	6: 4	14: 11	17: 4	20: 9			7 AUG	3	4.0	6: 1	7: 1	13: 9	62: 42		
2 AUG	3	6.0	1: 2	6: 6	8: 1	14: 74	16: 1	17: 3			0.5	14: 28	20: 21	54: 3	20: 12		
2 AUG	3	2.0	14: 5	16: 1	17: 1	20: 12			8 AUG	3	4.0	14: 30	20: 17	50: 20	18: 10	62: 23	
2 AUG	3	5.0	6: 8	7: 3	14: 9	20: 2	50: 4	62: 18			5.0	6: 4	14: 2	16: 2	20: 14	50: 52	62: 9
2 AUG	6	6.0	1: 2	14: 12	16: 1	20: 11	50: 22		9 AUG	3	4.0	13: 10	14: 18	20: 23	54: 1	62: 14	
3 AUG	3	8.0	6: 2	14: 17	16: 1	17: 1	20: 10		10 AUG	3	4.0	13: 31	14: 63	16: 1	17: 2	20: 43	50: 76
3 AUG	6	1.0	13: 2	14: 5	20: 2							54: 1	62: 121				
3 AUG	3	3.0	6: 1	13: 20	54: 2	10 AUG	3	5.0			6: 1	13: 6	14: 34				
4 AUG	3	4.0	6: 2	13: 12	14: 21	20: 26	54: 3	62: 31			16: 6	17: 2	20: 4	50: 16	62: 42		
4 AUG	3	12.0	1: 2	6: 7	13: 11	14: 7	15: 3	16: 2	11 AUG	3	5.0	7: 6	13: 4	14: 21	16: 1	20: 4	50: 22
			17: 3	18: 1	20: 17	24: 10			11 AUG	2	7.0	14: 15	16: 1	17: 1	62: 14		
4 AUG	3	5.0	6: 1	14: 14	20: 2	50: 46	62: 61		11 AUG	3	5.0	20: 20			1: 1	7: 2	13: 18
5 AUG	3	5.0	6: 1	13: 16	14: 4						14: 58	16: 2	17: 2				

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				
11 AUG	3	5.0+	50:111	54: 2	62:163			20 AUG	3	8.0	6: 4	11: 2	13: 15		
12 AUG	3	1.0	14: 4	62: 36							14: 46	20: 34	50: 18		
12 AUG	2	2.5	6: 1	13: 2	14: 28						62: 12				
			16: 1	17: 2	50: 26			20 AUG	3	4.0	13: 6	14: 56	17: 2		
			62: 32								20: 34	50: 13	62: 23		
12 AUG	3	4.0	14: 30	20: 3	37: 1			20 AUG	3	4.0	14: 25	18: 1	20: 4		
			50: 15	62: 10							24: 1	50: 12	62: 7		
12 AUG	3	5.0	6: 5	13: 5	14: 5			21 AUG	3	5.0	6: 2	13: 4	14: 6		
			16: 16	20: 1	22: 1						16: 3	20: 6	22: 1		
			39: 1								50: 14	62: 52			
12 AUG	3	2.0	13: 12	14: 15	20: 11			21 AUG	3	1.0	6: 1	15: 1	17: 2		
13 AUG	3	2.0	13: 2	14: 2	62: 2						50: 1				
13 AUG	2	2.5	6: 1	14: 14	16: 1			21 AUG	3	4.0	1: 3	6: 5	13: 4		
			17: 3	50: 12	62: 6						14: 12	16: 2	17: 6		
13 AUG	6	6.0	13: 16	14: 3	15: 2						18: 1	22: 2			
			16: 1	17: 3				22 AUG	3	4.0	13: 3	14: 67	20: 31		
13 AUG	3	4.0	8: 1	14: 2	17: 2						50: 13	54: 1	62: 23		
			20: 4	42: 1	50: 10			23 AUG	3	2.0	13: 2	14: 27	62: 21		
			62: 3					23 AUG	3	5.0	13: 12	14: 42	16: 2		
13 AUG	3	4.0	13: 2	14: 86	17: 1						17: 3	20: 28	50: 3		
			20: 21	50: 6	62: 43						62: 8				
13 AUG	3	3.0	13: 2	14: 11	20: 1			24 AUG	3	4.0	13: 1	14: 22	20: 1		
			50: 12	54: 1							50: 7	62: 3			
14 AUG	3	4.0	13: 2	14: 4	17: 1			25 AUG	3	4.0	13: 8	14: 93	20: 31		
			20: 5	50: 12	54: 1						50: 2	62: 16			
			62: 5					25 AUG	3	5.0	6: 6	13: 3	14: 20		
14 AUG	3	5.0	6: 2	13: 1	14: 14						16: 1	20: 14	50: 36		
			17: 2	50: 19	62: 28						62: 42				
14 AUG	3	6.0	13: 18	14: 18	20: 12			25 AUG	3	4.0	14: 36	16: 2	20: 5		
16 AUG	3	5.0	11: 1	14: 21	17: 1						50: 18	62: 11			
			20: 2	50: 70	62:105			25 AUG	3	6.0	1: 6	11: 1	13: 4		
18 AUG	3	5.0	5: 1	13: 1	14: 4						16: 17	17: 1	22: 1		
			17: 3	20: 4	50: 58						54: 1	62: 3			
			62: 21					26 AUG	2	2.5	6: 1	13: 1	14: 16		
19 AUG	2	5.0	6: 4	14: 20	16: 2						16: 1	24: 14	50: 28		
			20: 4	50: 14	62: 32						62: 34				
19 AUG	3	12.0	1: 4	6: 13	13: 3			26 AUG	6	8.0	8: 5	13: 11	15: 7		
			14: 11	16: 9	20: 16						16: 1	17: 5	20: 24		
20 AUG	2	6.0	1: 1	14: 30	20: 35						24: 3				
20 AUG	3	2.0	6: 1	14: 3	20: 1			26 AUG	3	3.0	13: 13	14: 46	20: 26		
			50: 9	62: 5							50: 3	54: 1	62: 4		
20 AUG	3	5.0	6: 1	13: 2	14: 4			27 AUG	3	1.0	14: 6	20: 6	62: 1		
			16: 1	17: 1	20: 6			27 AUG	3	4.0	14: 27	20: 12	50: 85		
			50: 82	62: 80							54: 1	62:120			
20 AUG	3	4.0	6: 1	13: 10	14: 2			27 AUG	3	6.0	6: 2	13: 4	14: 21		
			16: 12	20: 2	50: 10						17: 4	50: 68	62: 50		
			62: 15					27 AUG	3	4.5	1: 1	6: 4	7: 2		

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —								
			13:	5	14:	21	17:	3				2.0+	20:	2	2:	1	6:	2	13:	1
27 AUG	3	4.5+	13:	5	14:	21	17:	3	5 SEP	2	2.0+	20:	2							
			18:	1	20:	9			6 SEP	3	6.0	2:	1	6:	2	13:	1			
28 AUG	3	6.5	1:	1	6:	5	8:	1				14:	14	17:	3	20:	6			
			13:	4	14:	30	16:	2				134:	1							
			17:	3	18:	1	20:	10	6 SEP	3	5.0	6:	3	13:	4	14:	4			
28 AUG	3	5.0	6:	1	14:	6	16:	2				16:	1	20:	28	50:	36			
			20:	12	50:	82	62:	105				62:	30							
30 AUG	6	6.0	1:	2	14:	14	20:	10	7 SEP	3	2.0	1:	2	14:	26	20:	4			
			50:	12								62:	1							
31 AUG	3	1.0	13:	4	14:	21	20:	2	8 SEP	3	5.0	7:	4	13:	8	14:	67			
1 SEP	3	1.0	14:	25								17:	4	20:	43	24:	6			
1 SEP	6	3.0										42:	6	50:	31	62:	126			
1 SEP	3	5.0	6:	3	13:	9	14:	12	8 SEP	3	8.0	13:	2	14:	30	16:	1			
			17:	1	20:	14	50:	21				17:	1	20:	50	62:	50			
			62:	60					8 SEP	3	5.0	6:	1	13:	2	14:	12			
2 SEP	3	5.0	6:	2	13:	4	14:	1				20:	4	50:	52	62:	40			
			24:	2	50:	28	62:	82	9 SEP	6	8.0	1:	3	6:	7	13:	6			
2 SEP	3	8.0	2:	1	6:	2	11:	3				14:	9	15:	3	16:	1			
			13:	5	16:	12	29:	1				17:	4	18:	3	20:	10			
			50:	4	54:	1	62:	12	9 SEP	3	5.0	7:	2	13:	2	14:	41			
2 SEP	3	5.0	14:	96	17:	1	20:	43				17:	1	20:	26	24:	2			
			54:	1	62:	31						42:	1	50:	13	62:	56			
2 SEP	3	11.0	6:	6	13:	8	14:	15	9 SEP	3	5.0	1:	1	2:	1	6:	4			
			16:	17	17:	12	18:	4				13:	3	14:	22	17:	5			
			20:	10								20:	10							
3 SEP	3	3.0	16:	3	17:	2	18:	1	10 SEP	3	6.0	8:	1	13:	27	14:	12			
			19:	2								17:	4	20:	8					
3 SEP	3	4.0	1:	1	4:	2	7:	3	10 SEP	3	5.0	2:	1	7:	2	13:	3			
			14:	56	20:	39	62:	67				14:	72	20:	56	24:	6			
			75:	1								42:	1	62:	216					
3 SEP	3	4.0	13:	28	14:	28	20:	37	10 SEP	3	5.0	14:	27	20:	10	50:	17			
3 SEP	3	2.0	13:	25	29:	1	54:	1				62:	21							
3 SEP	3	5.0	13:	14	14:	21	17:	2	10 SEP	3	9.0									
			20:	28	50:	52	62:	3	10 SEP	3	6.0	7:	4	13:	24	14:	13			
4 SEP	3	3.0	6:	8	13:	28	14:	52				17:	1	20:	27	50:	6			
			16:	14	17:	12	20:	8				62:	6	118:	1					
			24:	38	50:	200	62:	200	10 SEP	3	5.0	13:	4	14:	22	20:	26			
4 SEP	3	3.5	6:	4	7:	4	11:	1				62:	12							
			13:	12	14:	13	20:	8	11 SEP	3	5.0	6:	2	13:	2	14:	10			
			62:	8								17:	1	20:	4	50:	38			
4 SEP	3	1.0	14:	31	20:	19	62:	5				62:	72							
4 SEP	3	1.0	13:	2	14:	1	62:	17	11 SEP	3	5.0	6:	2	13:	4	14:	157			
5 SEP	3	6.0	24:	2								20:	121	37:	1	50:	31			
5 SEP	3	3.0	13:	18								62:	130							
5 SEP	3	5.0	6:	1	14:	12	16:	2	11 SEP	3	7.5	1:	2	6:	6	8:	1			
			20:	14	50:	32	62:	80				13:	1	14:	15	16:	25			
5 SEP	2	2.0	13:	3	14:	1	17:	1				17:	9	18:	3	20:	6			

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				
			13: 2	14: 10	16: 5	18 SEP	3				14: 46	17: 1	20: 65		
12 SEP	3	3.0	13: 2	14: 10	16: 5	18 SEP	3	4.0+	14: 46	17: 1	20: 65				
			17: 4	22: 1				50: 13	62: 31						
13 SEP	3	5.0	14: 28	20: 1	50: 12	18 SEP	3	5.0	6: 2	14: 14	17: 1				
			62: 14					20: 32	24: 2	50: 40					
14 SEP	3	8.0							62: 3						
14 SEP	3	5.0	6: 2	14: 60	20: 6	18 SEP	3	3.0	7: 1	13: 10	14: 1				
			50: 14	62: 17				20: 22	50: 18	62: 6					
15 SEP	3	4.0	6: 6	13: 38	14: 12	18 SEP	2	5.0	14: 97	20: 16					
			16: 14	17: 8	20: 26	18 SEP	3	12.0	13: 6	14: 7	17: 5				
			22: 2	37: 3	50: 128	19 SEP	3	3.0	1: 3	13: 4	54: 2				
			62: 280					75: 1							
15 SEP	3	5.0	6: 3	14: 25	20: 12	19 SEP	3	2.0	7: 2	13: 2	14: 23				
			50: 26	62: 21				50: 2	62: 12						
15 SEP	3	1.5	13: 14	90: 1		19 SEP	3	2.0	16: 1	17: 2					
15 SEP	3	4.0	13: 3	14: 30	17: 2	20 SEP	3	4.0	7: 12	13: 6	14: 52				
			20: 3	50: 3	54: 1			20: 43	42: 2	50: 3					
			62: 10					62: 13	118: 1						
15 SEP	3	4.0	1: 1	6: 4	13: 15	20 SEP	3	6.0	13: 2	14: 40	20: 20				
			14: 1	17: 4	20: 5			50: 5	62: 25						
16 SEP	3	4.0	6: 3	7: 8	11: 2	22 SEP	3	5.0	14: 8	16: 2	20: 19				
			13: 8	14: 58	17: 3			50: 28	62: 50						
			20: 12	57: 6		23 SEP	3	9.0							
16 SEP	3	2.0	14: 31	62: 150		23 SEP	3	1.0	14: 16	20: 4					
16 SEP	3	1.5	13: 8			24 SEP	3	0.5	13: 3	14: 4	50: 1				
16 SEP	6	8.0	1: 7	13: 6	14: 7	24 SEP	3	5.0	6: 12	11: 1	13: 42				
			17: 6	18: 1				14: 80	16: 6	17: 10					
17 SEP	2	8.0	1: 2	6: 5	13: 1				20: 2	22: 1	24: 52				
			14: 100	20: 6				49: 2	50: 80	62: 350					
17 SEP	3	4.0	7: 1	13: 3	14: 12	24 SEP	3	10.0	1: 16	6: 7					
			20: 22	54: 12		24 SEP	3	4.0	7: 6	13: 38	14: 12				
17 SEP	3	8.0	6: 2	13: 4	14: 28				20: 9						
			16: 2	17: 2	20: 28	25 SEP	3	5.0	6: 4	14: 3	16: 1				
			24: 2	37: 1	50: 105			20: 2	50: 20	62: 14					
			62: 86			25 SEP	3	4.0	13: 3	14: 47	20: 39				
17 SEP	3	6.0	6: 4	13: 6	14: 10				50: 4	54: 1	62: 31				
			16: 7	20: 5	50: 12	26 SEP	2	4.0	6: 1	13: 12	14: 1				
			62: 20					16: 2	17: 1	20: 42					
17 SEP	3	5.0	7: 4	13: 16	14: 28				50: 21	62: 6					
			20: 46	24: 7	50: 36	27 SEP	3	5.0	7: 6	13: 1	14: 36				
			62: 63					16: 1	17: 2	20: 9					
17 SEP	3	5.5	1: 1	2: 1	6: 6				50: 52	62: 40					
			13: 31	14: 8	17: 1	27 SEP	3	5.0	13: 26	14: 1	20: 7				
			20: 5					50: 20							
18 SEP	3	10.0	1: 1	6: 4	13: 12	27 SEP	3	8.0	6: 1	7: 3	13: 7				
			14: 16	16: 8	17: 11			14: 93	16: 4	17: 1					
			18: 2	20: 12				20: 103	50: 18	54: 1					
18 SEP	3	4.0	6: 1	7: 4	13: 9				62: 56						

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				
			7:	4	13:	3	14: 26				7:	2	13:	15	14: 52
27 SEP	3	4.0			17:	2	62: 10				17:	1	20:	56	42: 4
28 SEP	3	8.0	13: 8	14: 127	16: 5						54: 4	62: 33			
			17: 3	20: 96	50: 3	62: 31					13: 5	14: 34	17: 3		
											20: 53	42: 1	50: 4		
29 SEP	3	5.0	14: 12	16: 3	20: 28						62: 17				
			50: 46	62: 60							13: 5	14: 93	20: 67		
30 SEP	3	6.0	6: 1	13: 14	14: 32	16: 2	17: 4	20: 26			42: 6	50: 13	54: 1		
					23: 1	50: 42	62: 65				62: 85				
30 SEP	3	8.0	1: 3	6: 6	13: 4	17: 5	18: 1				2: 2	13: 6	14: 47		
											17: 1	20: 75	42: 2		
30 SEP	3	4.0	13: 8	14: 31	17: 1	20: 23	50: 2	62: 46			54: 1	62: 51			
											13: 1	14: 30	16: 1		
30 SEP	3	7.0	13: 5	14: 60	16: 1	17: 1	20: 75	62: 50			17: 1	20: 3	50: 10		
											62: 20				
1 OCT	3	8.0	14: 12	15: 1	17: 1	50: 14	62: 20				2: 1	20: 26	50: 12		
											13: 1	14: 1	20: 2		
1 OCT	6	10.0	6: 1	7: 6	14: 15	16: 1	17: 4	20: 18			50: 10	62: 2			
											1: 1	13: 3	14: 4		
1 OCT	3	5.0	13: 3	14: 4	16: 3	20: 21	50: 40	62: 26			16: 2	20: 10			
											13: 3	14: 64	17: 1		
1 OCT	3	4.0	8: 2	14: 14	16: 2	20: 16	50: 18	62: 20			20: 46	42: 1	62: 37		
											7: 6	13: 9	14: 46		
1 OCT	3	6.0	7: 1	13: 4	14: 5	17: 2	20: 76	50: 5			16: 1	17: 1	20: 54		
											42: 1	50: 18	62: 75		
1 OCT	3	4.0	13: 15	17: 2	20: 19	50: 3					13: 22	14: 33	20: 70		
											42: 2	50: 6	62: 20		
1 OCT	3	6.0	6: 1	13: 10	14: 6	20: 1	50: 12				14: 25	20: 13			
											14: 2	15: 1	17: 1		
2 OCT	3	6.0	6: 1	13: 10	14: 6	20: 1	50: 12				20: 4	62: 8			
											6: 1	13: 2	14: 21		
2 OCT	3	5.0	13: 2	14: 1	16: 2	17: 5	20: 2	50: 30			16: 1	20: 6	50: 12		
											62: 9				
2 OCT	2	7.0	14: 37	20: 17							14: 49	20: 5	50: 10		
2 OCT	3	5.0	13: 19	14: 43	17: 3	20: 31	42: 2	50: 16			62: 25				
											50: 80				
3 OCT	6	6.5	6: 1	14: 12	17: 2	20: 13	50: 19				14: 46	16: 6	17: 3		
											18: 4	28: 50	85: 35		
3 OCT	3	5.0	13: 2	14: 16	16: 1	20: 14	42: 9	50: 21			1: 1	14: 23	16: 1		
											17: 1	19: 2	20: 4		
3 OCT	3	5.0	13: 2	14: 16	16: 1	20: 14	42: 9	50: 21			28: 29	85: 12	118: 1		
											62: 5	118: 2			
4 OCT	3	5.0	6: 3	14: 1	16: 9	20: 3	50: 28	62: 32			6: 2	13: 2	14: 21		
											16: 1	17: 1	20: 12		
4 OCT	6	6.0	13: 1	14: 2							50: 20	62: 42			
											6: 1	7: 2	11: 3		

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --						
9 OCT	3	7.0+	13:	4	17:	3	20:	8	18 OCT	3	5.0+	17:	5	20:	46	37:	1
			23:	1	50:	15	54:	3			42:	1	50:	2	62:	61	
			75:	1					19 OCT	3	5.0	13:	6	14:	25	17:	3
9 OCT	2	5.0	14:	27	20:	18					20:	8	42:	2	50:	1	
9 OCT	6	3.0	13:	14	14:	2	20:	6			62:	15					
			62:	1					19 OCT	3	5.0	6:	1	11:	2	13:	2
9 OCT	3	4.0	2:	1	13:	1	14:	41			14:	12	16:	1	20:	26	
			20:	38	50:	1	62:	36			62:	26					
10 OCT	3	4.0	14:	3	17:	1	20:	11	21 OCT	3	3.0	20:	44	50:	16	62:	6
			50:	21	62:	15			21 OCT	2	3.0	15:	14	20:	4	50:	4
12 OCT	3	2.0	16:	1	20:	4	50:	15			62:	12					
			62:	2					22 OCT	3	5.0	13:	17	14:	4	20:	10
12 OCT	3	4.0	6:	1	13:	2	14:	2			50:	8					
12 OCT	3	4.0	1:	1	2:	2	13:	3	22 OCT	3	8.0	14:	2	15:	1	17:	1
			14:	76	17:	1	20:	26			36:	3	50:	20	62:	15	
			50:	2	62:	35			22 OCT	3	5.0	6:	2	13:	4	14:	66
13 OCT	3	5.0	6:	1	7:	4	13:	6			20:	23	50:	6	62:	41	
			14:	51	16:	2	20:	14	22 OCT	3	7.0	5:	1	13:	1	14:	21
			50:	15	62:	30					19:	3	20:	5	50:	11	
14 OCT	3	6.0	6:	3	7:	4	13:	5			118:	1					
			14:	70	16:	1	17:	2	23 OCT	3	5.0	6:	2	13:	2	14:	93
			20:	10	50:	8	62:	8			20:	67	37:	1	42:	1	
			118:	1							50:	3	54:	1	62:	41	
14 OCT	3	2.0	13:	2	20:	17	50:	8	23 OCT	2	3.0	14:	4	20:	8		
14 OCT	3	1.0	13:	1	14:	13	20:	2	24 OCT	3	5.0	6:	3	14:	18	17:	1
			42:	1	50:	6	62:	2			20:	13					
15 OCT	3	5.0	13:	15	14:	66	17:	1	25 OCT	3	2.0	14:	25	20:	2	62:	32
			20:	52	42:	3	50:	23	25 OCT	3	7.0	13:	12	14:	135	17:	1
			62:	46							20:	100	50:	20	62:	46	
15 OCT	3	5.0	13:	8	14:	7	17:	1	28 OCT	3	6.0	5:	1	14:	50	17:	3
			20:	12	62:	45					20:	20	50:	3	62:	10	
15 OCT	3	6.0	6:	1	14:	6	17:	2	29 OCT	3	5.0	14:	7	17:	1	20:	11
			20:	4	50:	42	62:	21			36:	3					
15 OCT	3	4.0	6:	1	11:	1	13:	2	29 OCT	3	2.0	17:	2	20:	1	50:	5
			14:	26	16:	1	17:	1			62:	15					
			20:	7	50:	8	62:	13	29 OCT	3	7.0	6:	2	13:	2	14:	28
15 OCT	2	7.0	7:	1	14:	32	20:	28			20:	41	50:	3	62:	21	
15 OCT	3	8.0	14:	5	15:	1	17:	6	29 OCT	3	6.0	7:	1	13:	13	16:	1
			20:	10	50:	15	62:	10			17:	1	23:	1	62:	15	
15 OCT	3	8.0	15:	1	50:	92			29 OCT	3	4.0	14:	23	20:	9	50:	11
16 OCT	2	7.0	14:	32	20:	40					62:	14					
16 OCT	4	3.0	14:	36	17:	1	20:	5	29 OCT	3	7.0	1:	1	13:	1	14:	10
			50:	6	62:	16					16:	7	17:	2	18:	2	
16 OCT	3	6.0	13:	22	14:	123	20:	78			20:	4	50:	6			
			42:	1	50:	73	62:	46	30 OCT	3	5.0	6:	1	7:	1	14:	5
17 OCT	3	1.0	14:	1	15:	1	20:	5			20:	34	24:	1	50:	41	
18 OCT	3	5.0	6:	1	13:	2	14:	152			62:	15					

APPENDIX TABLE 20 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			17:	9	20:	2	50:				13:	14	14:	78	17:	1
30 OCT	3	2.0	17:	9	20:	2	50:	2								
30 OCT	3	5.0	6:	1	13:	14	14:	78								
			17:	1	20:	43	54:	3								
			62:	56												
2 NOV	3	3.0	13:	3	14:	21	62:	31								
3 NOV	3	3.0	14:	14	20:	1	50:	2								
			62:	31												
4 NOV	3	7.0	12:	4	14:	52	20:	20								
			50:	1	62:	25										
5 NOV	3	5.0	13:	21	14:	77	17:	1								
			20:	45	54:	3	62:	86								
5 NOV	3	8.0	14:	12	17:	4	20:	10								
			50:	15	62:	20										
5 NOV	6	8.0	1:	2	8:	8	13:	11								
			14:	3												
5 NOV	6	4.0	14:	2	20:	12	50:	8								
			54:	4	62:	7										
5 NOV	3	5.5	16:	8	20:	6	23:	1								
			24:	6												
6 NOV	3	5.0	13:	16	14:	43	20:	23								
			62:	52												
9 NOV	3	8.0	13:	4	14:	73	17:	3								
			20:	80	42:	1	50:	2								
			62:	33												
11 NOV	3	12.0	8:	1	13:	5	14:	8								
			17:	2	50:	20	62:	25								
12 NOV	3	7.0	6:	1	13:	21	14:	241								
			20:	161	62:	78										
12 NOV	3	5.5	13:	8	17:	4	20:	6								
			54:	15												
13 NOV	3	5.0	2:	2	6:	1	13:	16								
			14:	146	16:	1	17:	1								
			20:	41	54:	1	62:	82								
18 NOV	3	7.0	13:	1	14:	56	17:	3								
			20:	15	42:	1	50:	2								
			62:	13												
20 NOV	3	4.0	13:	1	14:	35	20:	3								
			62:	13												
22 NOV	6	7.0	14:	15	20:	15	50:	25								
			62:	20												
22 NOV	6	4.0	14:	2	17:	5	20:	6								
			50:	6	62:	5										
25 NOV	4	4.0	2:	1												
29 NOV	6	8.0	13:	1	14:	50	20:	21								
			54:	2	62:	73										

APPENDIX TABLE 21. LOGGED 1983 TROLLING CATCH AND EFFORT FROM ALABAMA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
10 APR	2	2.0				29 MAY	6	3.0	7: 3	8: 8	
10 APR	2	5.0				29 MAY	2	5.0	1: 7	3: 26	
11 APR	2	4.0				30 MAY	6	5.0	6: 12		
12 APR	6	2.0				30 MAY	6	2.0	1: 1	6: 1	7: 5
19 APR	2	2.0	28: 1						8: 10	12: 1	
25 APR	2	9.0				31 MAY	6	3.0	6: 8	7: 5	8: 25
26 APR	2	9.0	8: 1			31 MAY	6	5.0	6: 15		
26 APR	2	2.0	2: 1	3: 2	12: 1	1 JUN	6	5.0	6: 24		
			14: 16			1 JUN	2	2.0	1: 2	3: 1	7: 2
27 APR	2	2.0	3: 50	14: 15					8: 26		
27 APR	2	9.0	3: 17			2 JUN	6	3.0	3: 2	7: 2	8: 8
30 APR	2	9.0	3: 26	12: 1		2 JUN	6	5.0	2: 1	3: 1	6: 10
1 MAY	2	5.0	3: 20	12: 1		3 JUN	6	6.0	6: 6	12: 1	
2 MAY	3	4.0	6: 1			3 JUN	2	9.0	1: 13	3: 37	6: 2
5 MAY	3	4.0	6: 1						7: 26		
6 MAY	1	6.0	2: 1	3: 1		3 JUN	6	3.0	2: 1	3: 3	7: 2
6 MAY	2	2.0	2: 1	3: 10	5: 4				8: 16	13: 10	
			12: 1	13: 1		4 JUN	6	3.0	3: 4	8: 10	
7 MAY	2	5.0	3: 1			4 JUN	2	5.0	1: 2	3: 16	6: 4
8 MAY	2	5.0	3: 11	5: 1	7: 1	4 JUN	2	5.0	3: 4	6: 3	12: 2
9 MAY	5	6.0	3: 1	6: 1		5 JUN	2	5.0	1: 3	3: 28	6: 3
12 MAY	4	6.0	3: 4						7: 15		
12 MAY	2	2.0	3: 6			5 JUN	2	3.0	6: 1	7: 1	8: 21
13 MAY	1	6.0	6: 1	102: 4		6 JUN	6	3.0	6: 1	7: 2	8: 26
13 MAY	2	2.0	20: 1			6 JUN	2	5.0	1: 2	3: 11	6: 3
14 MAY	5	6.0	3: 1	6: 7					7: 6		
16 MAY	2	5.0	3: 4	6: 4	7: 6	6 JUN	6	5.0	3: 1	6: 1	7: 6
			12: 1						9: 1	12: 1	
16 MAY	2	5.0	3: 3	7: 3		7 JUN	2	5.0	3: 3	6: 18	7: 20
17 MAY	2	4.0	3: 2	6: 2	17: 1	8 JUN	6	5.0	3: 1	6: 12	
23 MAY	6	5.0	1: 1	3: 1	6: 8	8 JUN	2	5.0	1: 2	3: 11	6: 2
			7: 1						7: 13		
24 MAY	6	5.0	6: 20			8 JUN	6	3.0	3: 2	6: 3	8: 1
24 MAY	2	5.0	3: 6	6: 3	7: 4	9 JUN	2	9.0	1: 1	3: 9	5: 2
			12: 2						6: 11	7: 12	8: 6
24 MAY	6	3.0	6: 2	7: 1	8: 2				24: 1		
25 MAY	6	3.0	2: 1	7: 2	8: 15	9 JUN	6	5.5	3: 8	6: 16	7: 10
25 MAY	6	5.0	6: 12			10 JUN	6	6.0	3: 7	6: 7	
26 MAY	6	5.0	6: 15	13: 5		10 JUN	2	9.0	1: 1	3: 5	6: 5
26 MAY	6	3.0	4: 1	8: 10					7: 30	9: 2	
27 MAY	6	2.0	3: 2	7: 2	8: 8	10 JUN	6	3.0	3: 2	5: 3	7: 6
27 MAY	2	4.0	3: 1	6: 6					8: 7		
28 MAY	2	4.0	3: 5	6: 6	13: 8	11 JUN	2	1.0	7: 6		
28 MAY	2	8.0	1: 3	3: 39	5: 1	11 JUN	2	2.0	7: 10		
			7: 10	8: 3	9: 12	12 JUN	2	2.0	3: 1	7: 4	
28 MAY	6	3.0	2: 1	3: 4	6: 8	13 JUN	2	6.0	3: 5	6: 9	7: 10
			7: 20	8: 6		14 JUN	2	2.0	3: 2	7: 5	

APPENDIX TABLE 21 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				
15 JUN	3	6.0	6:	5	7:	1	5 JUL	2	4.0	1:	1	6:	10	
15 JUN	2	5.0	3:	26	7:	32				13:	4			
15 JUN	6	3.0	3:	3	7:	6	8:	3	5 JUL	6	2.0	1:	1	
			12:	2						8:	6	3:	6	
16 JUN	6	3.0					6 JUL	2	3.0	8:	2			
16 JUN	2	5.0	3:	28	7:	15	6 JUL	6	4.5	6:	1	13:	3	
16 JUN	6	5.0	3:	6	6:	2	7:	5	6 JUL	2	5.0	1:	5	
17 JUN	6	5.0	6:	6			7 JUL	2	5.0	1:	11	3:	1	
17 JUN	2	5.0	1:	1	3:	52	7:	18	7 JUL	2	6.0	1:	12	
			9:	4	11:	1			7 JUL	6	3.0	1:	1	
17 JUN	6	3.0	3:	6	8:	6				8:	1			
18 JUN	2	5.0	1:	5	3:	13	5:	1	8 JUL	2	3.0	3:	28	
			6:	2	7:	12	9:	1	8 JUL	2	4.0	3:	56	
			11:	1					8 JUL	2	5.0	1:	1	
18 JUN	6	5.0	6:	1						7:	3			
19 JUN	2	5.0	3:	2	6:	6	13:	8	9 JUL	2	5.0	1:	5	
19 JUN	2	1.0	3:	1	5:	1	7:	2	9 JUL	2	6.0	6:	17	
20 JUN	2	2.0	3:	2	7:	1			9 JUL	6	3.0	3:	2	
22 JUN	6	3.0	3:	2	8:	4			10 JUL	6	3.0	1:	1	
23 JUN	6	3.0	3:	5	7:	6	8:	2	10 JUL	2	5.0	1:	2	
24 JUN	2	2.0	7:	6						8:	3			
24 JUN	2	1.0	6:	2			11 JUL	2	5.0	1:	12	3:	15	
25 JUN	2	4.0	3:	1	6:	7			11 JUL	6	3.0	3:	8	
26 JUN	2	4.0	3:	3	5:	8	7:	3	12 JUL	6	3.0	1:	1	
			9:	5					12 JUL	2	9.0	1:	10	
26 JUN	6	3.0	3:	1	7:	2	8:	5		6:	1	7:	6	
27 JUN	2	5.0	3:	6	5:	5	7:	7	13 JUL	3	5.0	7:	6	
			9:	1					13 JUL	6	6.0	1:	5	
27 JUN	2	5.0	3:	5	5:	10	6:	2	14 JUL	6	4.0	3:	3	
			13:	3						24:	1			
28 JUN	6	6.0	8:	6	13:	4			14 JUL	3	5.0	1:	2	
29 JUN	2	3.0	1:	1	6:	2					13:	8	24:	1
29 JUN	6	2.0	7:	3	8:	2			15 JUL	3	5.0	6:	15	
30 JUN	2	2.0	1:	2	3:	1	7:	4			24:	1		
			8:	2					15 JUL	2	5.0	1:	12	
1 JUL	6	3.0	7:	3					16 JUL	2	9.0	1:	18	
1 JUL	6	6.0	13:	17							6:	1	12:	2
1 JUL	2	3.0	1:	1	3:	5	5:	1	16 JUL	3	5.0	1:	2	
			7:	13					17 JUL	2	5.0	1:	3	
2 JUL	2	5.0	1:	5	3:	4	7:	14	17 JUL	6	3.0	3:	1	
			9:	1					18 JUL	6	3.0	1:	4	
2 JUL	3	5.0	6:	1	13:	12			18 JUL	2	5.0	1:	4	
2 JUL	6	3.0	1:	2	2:	1	3:	6			6:	15	7:	4
			5:	1	7:	6					1:	16	3:	3
3 JUL	2	5.0	3:	31	5:	2	7:	2	18 JUL	2	4.0	1:	12	
4 JUL	2	5.0	3:	26	5:	2	7:	17	19 JUL	2	4.0	1:	5	
5 JUL	2	5.0	1:	3	3:	3	7:	12	19 JUL	6	3.0	1:	3	
										119:	1			

APPENDIX TABLE 21 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —			
			1: 4	3: 1	8: 14	12: 1				1: 1	6: 4	13: 1	24: 1
20 JUL	6	3.0	1: 4	3: 1	8: 14	12: 1	6 AUG	6	6.0+	24: 1	1: 1	6: 4	13: 1
20 JUL	2	5.0	1: 7	2: 1	3: 9	6: 5	7 AUG	6	3.0	24: 1	3: 1	6: 2	
21 JUL	2	5.0	1: 11	3: 4	6: 3	7: 1	7 AUG	2	5.0	1: 5	3: 3	4: 1	6: 2
21 JUL	2	6.0	1: 15	3: 2	6: 13	13: 4	8 AUG	2	5.0	1: 7	3: 10	6: 1	7: 5
21 JUL	6	3.0	1: 10	7: 4	8: 12	8 AUG	6	3.0	1: 3	3: 7	6: 12		
22 JUL	6	3.0	1: 1	7: 2	8: 4	9 AUG	6	3.0	1: 4	2: 3	6: 5		
22 JUL	2	6.0	1: 8	2: 1	3: 4	6: 10	9 AUG	6	5.0	1: 4	2: 1	3: 2	9: 1
22 JUL	2	5.0	1: 1	3: 3	6: 2	23 JUL	2	6.0	1: 9	3: 2	6: 6		
23 JUL	2	5.0	1: 5	3: 2	6: 1	10 AUG	6	6.0	1: 4	3: 2	6: 4		
23 JUL	6	6.0	1: 1	6: 16		10 AUG	6	3.0	1: 2	6: 8			
23 JUL	6	3.0	1: 8	8: 6		11 AUG	6	3.0	1: 1	6: 4			
24 JUL	6	3.0	1: 1	8: 8		11 AUG	2	4.0	1: 7	3: 1	6: 1		
25 JUL	2	3.0	1: 1	2: 4	3: 1	8: 2	11 AUG	2	5.0	1: 5	3: 4		8: 1
25 JUL	2	4.0	1: 1	6: 8		12 AUG	2	5.0	1: 1	3: 1	6: 8		
25 JUL	2	3.0	1: 1	7: 1		12 AUG	2	7.0	1: 2	13: 3			
26 JUL	2	5.0	1: 5	3: 3	5: 1	6: 1	12 AUG	2	2.0	2: 1	6: 1		
26 JUL	6	5.0	6: 4			13 AUG	6	3.0	1: 3	6: 8			
26 JUL	2	5.0	1: 2	2: 1	3: 2	8: 2	13 AUG	3	6.0	1: 1	3: 1		
26 JUL	2	5.0	1: 2	2: 1	3: 2	13 AUG	2	5.0	1: 4	3: 2	8: 1		
27 JUL	6	3.0	1: 4	3: 6	8: 8				78: 1				
27 JUL	6	4.5	6: 8	7: 4		14 AUG	2	5.0	1: 3	2: 2	3: 1		
27 JUL	2	5.0	1: 6	3: 3	6: 3	14 AUG	6	3.0	3: 1	6: 1			
28 JUL	2	2.0	1: 3	6: 3		15 AUG	2	2.0	1: 1	2: 1	3: 1		
29 JUL	2	5.0	1: 4	2: 1	6: 3				6: 6				
30 JUL	2	4.0	2: 1	6: 3		15 AUG	2	5.0	1: 9	3: 5	7: 8		
2 AUG	6	6.0	3: 3	6: 20	7: 3	15 AUG	2	5.0	1: 3	3: 2	6: 25		
2 AUG	2	5.0	22: 1						22: 1				
2 AUG	2	5.0	1: 1	3: 4	6: 1	9: 1	16 AUG	6	4.5	1: 1	3: 2	6: 20	
3 AUG	2	2.0	3: 1	6: 1		16 AUG	2	5.0	1: 2	3: 7	7: 4		
4 AUG	2	5.0	1: 2	3: 10	6: 2	7: 6	16 AUG	2	2.0	9: 1			
4 AUG	3	7.0	6: 15	7: 2		17 AUG	6	5.0	1: 3	2: 1	3: 5		
4 AUG	6	3.0	3: 1	8: 1					5: 2	6: 23	7: 5		
5 AUG	6	3.0	2: 1	8: 1		18 AUG	6	5.0	1: 1	6: 15	7: 2		
5 AUG	6	2.0	1: 7	3: 5	6: 6	18 AUG	2	5.0	1: 3	3: 30	7: 4		
5 AUG	2	5.0	1: 3	3: 3	6: 1	12: 5	18 AUG	6	2.0	36: 1			
6 AUG	2	5.0	1: 7	3: 1	6: 1				1: 2	3: 2	7: 3		
6 AUG	6	6.0	1: 9	3: 1	6: 15	19 AUG	6	2.0	24: 1				
									1: 4	3: 1	6: 2		

APPENDIX TABLE 21 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				
19 AUG	2	5.0	1:	2	3:	26	7:	3	9 SEP	2	5.0+	7:	1	9: 1
19 AUG	6	6.0	6:	12	7:	2			9 SEP	3	5.0	3:	20	6: 11 7: 4
20 AUG	6	5.0	1:	4	3:	42	6:	10	9 SEP	6	2.0	1:	1	6: 10
				7:	5				10 SEP	3	5.0	1:	2	3: 1 6: 10
20 AUG	2	9.0	1:	4	3:	65	5:	1			24:	1		
				7:	1	12:	1		10 SEP	2	5.0	1:	2	3: 20 5: 6
20 AUG	6	2.0	1:	2	3:	2	6:	1			6:	1	9: 6	
21 AUG	6	2.0	7:	1					11 SEP	2	3.0	3:	52	5: 9 6: 1
21 AUG	2	5.0	1:	1	3:	75	5:	6			7:	4	9: 1	
				7:	2				13 SEP	2	4.0	1:	5	3: 10
22 AUG	6	2.0	1:	5	2:	1	3:	2	14 SEP	6	4.0	3:	3	6: 11
23 AUG	6	2.0	1:	3	2:	1	3:	2	14 SEP	2	5.0	1:	1	3: 41 5: 3
				6:	5						7:	3	9: 1	
23 AUG	2	5.0	1:	7	3:	96	7:	9	14 SEP	6	2.0	1:	6	6: 2
				9:	3				15 SEP	6	2.0	1:	7	3: 2 6: 11
24 AUG	2	5.0	1:	2	3:	40	5:	3	15 SEP	2	3.0	1:	6	3: 13
				6:	1	7:	6		16 SEP	6	2.0	1:	1	3: 1 6: 14
24 AUG	6	2.0	3:	4	6:	2					7:	2		
25 AUG	2	6.0	1:	2	3:	10	6:	8	17 SEP	6	2.0	1:	4	3: 2 6: 11
26 AUG	2	5.0	1:	1	3:	21	5:	1			7:	3		
				7:	7				17 SEP	2	8.0	1:	39	3: 8 6: 1
27 AUG	2	4.0	1:	1	6:	5	7:	2	17 SEP	6	4.5	1:	2	3: 3 6: 14
28 AUG	2	5.0	1:	1	3:	31	6:	2			7:	1	24:	1
				7:	4				18 SEP	2	5.0	1:	2	3: 18 6: 2
28 AUG	6	2.0	1:	3	6:	10	7:	2	19 SEP	2	3.0	1:	1	3: 6 6: 4
29 AUG	6	2.0	1:	2	6:	7	7:	2	20 SEP	6	4.0	1:	2	3: 1 6: 8
30 AUG	6	2.0	1:	4	6:	8					7:	2		
31 AUG	6	2.0	1:	8	6:	9			21 SEP	2	5.0	1:	1	3: 35 6: 1
1 SEP	2	4.0	1:	1	2:	1	3:	2	23 SEP	6	5.0	3:	30	5: 2 6: 1
				6:	11	13:	2		24 SEP	6	3.0	3:	1	6: 2
2 SEP	2	5.0	3:	125	5:	5	7:	12	24 SEP	2	3.0	3:	3	
				36:	1				27 SEP	2	3.0			
2 SEP	6	2.0	1:	1	6:	8			29 SEP	6	2.0	3:	1	
3 SEP	6	2.0	1:	1	6:	1			30 SEP	6	2.0	6:	8	
3 SEP	2	5.0	1:	4	3:	42	5:	9	1 OCT	6	2.0	6:	10	13: 1
				9:	1				1 OCT	6	5.0	1:	2	6: 20
3 SEP	2	5.5	1:	5	3:	16	6:	6	2 OCT	6	2.0	6:	2	
4 SEP	6	4.5	2:	2	3:	1	6:	15	3 OCT	6	2.0	6:	4	
				7:	4				3 OCT	6	4.0	6:	6	
4 SEP	6	2.0	1:	1	3:	1	6:	6	3 OCT	2	5.0	1:	1	3: 16 6: 4
				7:	3				4 OCT	6	2.0	1:	1	2: 1 6: 1
5 SEP	6	2.0	1:	2	3:	1	6:	6	5 OCT	2	2.0	3:	2	6: 1
8 SEP	6	2.0	1:	5	3:	2	6:	8	5 OCT	6	4.0	2:	2	6: 6
8 SEP	3	4.0	6:	6	7:	2			6 OCT	3	3.0	6:	6	13: 1
8 SEP	2	5.0	1:	1	3:	19	5:	2	7 OCT	6	4.5	1:	2	3: 1 6: 2
				7:	3	9:	14	12:	1	7 OCT	2	4.0		
9 SEP	2	5.0	1:	2	3:	8	5:	1	7 OCT	6	2.0			

APPENDIX TABLE 21 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —			DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —		
8 OCT	6	2.0	1:	1	6: 14						
8 OCT	6	5.5	1:	1	6: 14						
9 OCT	2	4.0									
9 OCT	6	2.0	1:	1	6: 4						
10 OCT	2	3.0	3:	2	6: 4						
10 OCT	2	3.0	1:	1	3: 1	6:	4				
12 OCT	2	4.0	6:	10							
14 OCT	2	4.0	1:	1	6: 11						
14 OCT	2	2.5	7:	1							
16 OCT	2	1.0	1:	2	3: 3	6:	3				
			8:	1							
17 OCT	6	4.0	6:	11							
18 OCT	6	4.0	6:	3	8: 2						
18 OCT	2	5.0	1:	1	3: 3						
18 OCT	6	2.0	1:	1	6: 8	8:	1				
19 OCT	6	2.0	6:	2							
19 OCT	2	5.0	1:	2	6: 2	8:	1				
20 OCT	6	2.0	6:	3							
21 OCT	6	4.5	1:	1	6: 4						
21 OCT	2	5.0	3:	1	12: 1						
22 OCT	2	2.0									
24 OCT	6	2.0	6:	5							
25 OCT	6	2.0	6:	2							
25 OCT	2	4.0	12:	1							
27 OCT	6	5.0	4:	2	6: 6	8:	1				
28 OCT	6	5.0	6:	10							
28 OCT	6	2.0	6:	4							
30 OCT	6	2.0	6:	4							
5 NOV	6	4.0	6:	4							
6 NOV	6	2.0	6:	4	8: 2						
10 NOV	2	2.0	3:	6	6: 1	8:	1				
11 NOV	6	2.0	6:	1							
11 NOV	6	4.0	6:	4							
12 NOV	6	2.0	6:	4							
13 NOV	6	2.0	6:	4							
25 NOV	6	2.0	4:	4							
30 NOV	6	2.0	6:	2	8: 1						

APPENDIX TABLE 22. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM ALABAMA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --												
			14: 52	50: 2	76: 10	99: 2	14: 26				13: 2	14: 35	15: 1	30 MAY	6	4.0+	24: 1	13: 4	14: 10	20: 7			
10 APR	3	4.0	14: 52	50: 2	76: 10	99: 2	14: 26	50: 1	76: 8	99: 1	13: 2	14: 35	15: 1	30 MAY	6	4.0	13: 4	14: 10	20: 7	53: 1			
12 APR	3	4.0	14: 26	50: 1	76: 8	99: 1	14: 26	50: 1	76: 8	99: 1	13: 2	14: 35	15: 1	30 MAY	6	4.0	14: 3	53: 1	76: 2	85: 1			
12 APR	3	6.0	13: 2	14: 35	15: 1	20: 30	13: 2	14: 35	15: 1	20: 30	13: 2	14: 35	15: 1	30 MAY	3	4.0	13: 8	14: 21	20: 16	31 MAY			
13 APR	3	6.0	14: 4	20: 10	31 MAY	3	3.0	13: 1	14: 10	31 MAY	6	3.0	13: 1	14: 10	31 MAY	3	4.0	13: 9	14: 7	20: 23			
16 APR	3	6.0	14: 76	20: 17	1 JUN	2	4.0	13: 10	14: 8	20: 2	1 JUN	3	4.0	13: 13	14: 13	20: 25	1 JUN	3	4.0	13: 15	14: 54	20: 6	
19 APR	2	4.0	4: 1	14: 38	20: 1	76: 10	4: 1	14: 38	20: 1	76: 10	2 JUN	3	4.0	13: 10	14: 15	17: 1	2 JUN	3	4.0	13: 2	42: 1	53: 1	
25 APR	2	9.0	14: 36	20: 10	2 JUN	6	4.0	13: 10	14: 15	17: 1	2 JUN	6	4.0	20: 2	42: 1	53: 1	20: 2	2	76: 4	85: 2	25 APR		
26 APR	2	9.0	2: 1	3: 1	14: 9	20: 2	2: 2	3: 1	14: 9	20: 2	3 JUN	6	4.0	14: 10	20: 6	42: 3	3 JUN	6	4.0	14: 10	20: 6	42: 3	
27 APR	2	4.0	17: 1	20: 4	76: 13	85: 2	17: 1	20: 4	76: 13	85: 2	3 JUN	6	5.0	13: 11	14: 48	20: 8	3 JUN	6	5.0	13: 2	76: 4	85: 4	
27 APR	3	9.0	13: 6	14: 78	18: 1	20: 27	13: 6	14: 78	18: 1	20: 27	4 JUN	2	4.0	107: 17	13: 12	14: 26	15: 1	4 JUN	2	4.0	2: 1	7: 1	13: 6
28 APR	3	9.0	13: 4	14: 90	20: 78	50: 3	13: 4	14: 90	20: 78	50: 3	4 JUN	6	7.0	20: 5	2: 1	7: 1	13: 6	4 JUN	6	7.0	14: 6	20: 5	29 APR
29 APR	3	9.0	6: 1	14: 70	20: 11	13: 11	6: 1	14: 70	20: 11	13: 11	6 JUN	6	3.0	13: 8	14: 1	17: 1	6 JUN	6	3.0	13: 1	20: 1	6 MAY	
2 MAY	3	5.0	13: 11	14: 86	20: 8	5 MAY	3	4.0	13: 2	14: 41	20: 10	13: 2	14: 41	20: 10	6 JUN	6	3.0	13: 8	14: 1	17: 1	6 JUN		
5 MAY	3	4.0	13: 2	14: 41	20: 10	6 MAY	3	3.0	13: 8	14: 25	6 MAY	3	3.0	13: 10	14: 27	20: 3	6 JUN	6	4.0	13: 10	14: 27	20: 3	
6 MAY	2	4.0	14: 14	20: 2	76: 6	85: 4	14: 14	20: 2	76: 6	85: 4	7 JUN	2	2.0	7: 4	13: 2	107: 7	8 JUN	3	4.0	2: 1	13: 13	14: 15	
7 MAY	3	4.0	14: 30	20: 85	8 JUN	6	3.0	13: 11	20: 7	8 JUN	6	3.0	13: 11	20: 7	9 MAY	3	3.0	13: 6	20: 5	29 APR			
9 MAY	3	3.0	13: 6	14: 30	20: 15	13 MAY	3	3.0	13: 12	14: 5	20: 8	13: 12	14: 5	20: 8	9 JUN	6	3.5	13: 8	14: 55	17: 1	9 JUN		
13 MAY	3	3.0	13: 12	14: 5	20: 8	13 MAY	2	2.0	14: 3	20: 9	10 JUN	3	3.0	20: 9	13: 1	14: 10	17: 1	10 JUN	3	3.0	2: 1	13: 12	14: 37
13 MAY	2	2.0	14: 3	20: 9	11 JUN	3	3.0	2: 1	13: 12	14: 37	14 MAY	3	3.0	20: 8	13: 1	14: 10	17: 1	11 JUN	3	3.0	14: 10	20: 2	17 MAY
14 MAY	3	3.0	13: 9	14: 12	12 JUN	3	3.0	14: 10	20: 2	12 JUN	3	3.0	13: 1	14: 10	17: 1	12 JUN	3	3.0	13: 1	14: 10	17: 1		
16 MAY	2	4.0	14: 38	13 JUN	3	3.0	20: 8	16 MAY	2	4.0	13: 12	14: 11	20: 34	13 JUN	3	3.0	20: 8	16 MAY	2	4.0	14: 10	20: 2	17 MAY
17 MAY	2	5.0	13: 8	14: 16	20: 15	14 JUN	6	3.0	13: 1	14: 10	20: 2	13: 1	14: 10	20: 2	15 JUN	6	3.0	13: 1	14: 10	20: 17	15 JUN		
23 MAY	3	4.0	13: 8	20: 35	50: 9	24 MAY	3	4.0	13: 9	14: 16	20: 15	13: 9	14: 16	20: 15	13 JUN	2	3.0	20: 11	13: 1	14: 10	17: 1	13 JUN	
24 MAY	3	4.0	13: 9	14: 16	20: 15	24 MAY	6	4.0	13: 3	14: 9	17: 1	13: 3	14: 9	17: 1	15 JUN	3	3.0	13: 12	14: 11	20: 34	15 JUN		
24 MAY	6	4.0	2: 3	62: 8	76: 4	20: 3	4.0	2: 3	62: 8	76: 4	15 JUN	6	3.0	13: 8	14: 5	20: 9	15 JUN	6	3.0	13: 8	14: 5	20: 9	
25 MAY	3	3.0	13: 4	76: 1	16 JUN	6	3.0	76: 4	77: 1	85: 2	16 JUN	6	3.0	13: 8	14: 9	20: 6	16 JUN	6	3.0	13: 8	14: 9	20: 6	
25 MAY	3	4.0	13: 6	14: 36	20: 41	26 MAY	3	4.0	14: 24	20: 44	17 JUN	6	4.0	76: 4	76: 4	20: 6	17 JUN	6	4.0	13: 8	14: 5	20: 9	
26 MAY	3	4.0	14: 24	20: 44	18 JUN	6	4.0	13: 1	20: 3	76: 2	17 JUN	6	4.0	13: 4	14: 48	20: 19	18 JUN	6	4.0	13: 7	14: 10	20: 4	
26 MAY	6	4.0	2: 1	13: 5	14: 10	17: 1	4.0	2: 1	13: 5	14: 10	17: 1	19 JUN	2	4.0	13: 8	14: 15	20: 6	19 JUN	2	4.0	14: 45	15: 1	20: 8
27 MAY	2	4.0	2: 1	13: 7	14: 3	20: 3	2: 1	13: 7	14: 3	20: 3	22 JUN	6	3.0	107: 49	13: 2	14: 28	20: 3	22 JUN	6	3.0	13: 2	14: 28	20: 3
27 MAY	2	1.0	17: 1	119: 2	23 JUN	6	3.0	13: 7	14: 10	20: 4	23 JUN	6	4.0	13: 8	14: 62	20: 7	23 JUN	6	4.0	13: 8	14: 62	20: 7	
28 MAY	2	5.0	14: 17	20: 4	24 JUN	2	4.0	14: 45	15: 1	20: 8	24 JUN	2	4.0	14: 45	15: 1	20: 8	24 JUN	2	4.0	14: 45	15: 1	20: 8	
28 MAY	6	4.0	13: 3	14: 2	20: 6	25 JUN	6	3.0	13: 2	14: 28	20: 3	25 JUN	6	3.0	13: 2	14: 28	20: 3	25 JUN	6	3.0	13: 2	14: 28	20: 3

APPENDIX TABLE 22 (CONTINUED).

DATE	ZONE	HOURS FISHED						HOURS FISHED					
		— CATCH PER SPECIES —						— CATCH PER SPECIES —					
22 JUN	6	3.0+	42: 1	50: 2	62: 12			21 JUL	2	3.0	14: 31	20: 8	
23 JUN	6	2.0	13: 6	14: 1				22 JUL	3	3.0	14: 52		
24 JUN	2	1.5	2: 1	107: 16				22 JUL	6	3.0	12: 1	14: 60	20: 5
25 JUN	2	4.0	13: 1	14: 65	20: 8					42: 1			
26 JUN	6	3.0	13: 6	14: 30	20: 2			23 JUL	6	3.0	2: 1	14: 12	
			62: 6	76: 6	111: 1			23 JUL	3	3.0	2: 1	13: 11	14: 33
27 JUN	2	3.0	14: 48	15: 2	20: 4					20: 10			
28 JUN	6	3.0	14: 45					24 JUL	6	3.0	14: 40	20: 4	
29 JUN	2	2.0	14: 3	17: 1	20: 4			25 JUL	2	3.0	14: 4		
			107: 20					25 JUL	2	5.0	14: 53	17: 1	
29 JUN	6	3.0	2: 1	13: 5	14: 34			26 JUL	3	4.0	14: 55	17: 6	
			20: 3	62: 5	76: 3			27 JUL	3	4.5	14: 66	20: 16	62: 8
30 JUN	2	2.0	13: 8	14: 3	42: 2			27 JUL	6	3.0	14: 12	20: 2	
			62: 3	76: 5				2 AUG	3	3.0	13: 12	14: 4	
1 JUL	6	3.0	13: 18	14: 1				4 AUG	3	2.0	13: 3	14: 10	17: 2
1 JUL	3	3.0	14: 6							20: 10			
2 JUL	3	4.0	14: 45	17: 1	20: 11			4 AUG	6	3.0	14: 34	20: 12	76: 1
2 JUL	6	3.0	13: 6	14: 24	17: 1					96: 1			
			20: 3					5 AUG	6	3.0	14: 24	20: 2	76: 1
5 JUL	6	4.0	13: 6	14: 26	15: 1			5 AUG	3	7.0	13: 1	14: 78	15: 1
			17: 2	20: 6	62: 3					20: 2			
5 JUL	2	1.0	14: 2	20: 3	107: 2			6 AUG	3	3.0	14: 83	20: 16	
6 JUL	6	4.5	14: 72	20: 10				6 AUG	6	3.0	14: 41	20: 12	
6 JUL	2	3.0	13: 4	14: 1	34: 4			7 AUG	6	3.0	14: 71	20: 12	
			63: 2	71: 1				8 AUG	6	3.0	13: 2	14: 15	20: 1
7 JUL	6	3.0	13: 8	14: 7				9 AUG	6	3.0	14: 13		
7 JUL	2	3.0	14: 32					9 AUG	6	4.0	13: 2	14: 58	15: 1
9 JUL	2	3.0	14: 92	15: 1	20: 12					20: 9			
9 JUL	6	3.0	2: 2	13: 18				10 AUG	3	3.0	14: 29	17: 1	20: 7
10 JUL	6	3.0	13: 4	14: 15	20: 2			10 AUG	6	3.0	14: 21	20: 1	53: 1
11 JUL	6	3.0	2: 3	14: 8	20: 3			11 AUG	6	3.0	14: 19	20: 3	53: 3
			76: 3	85: 2						54: 1			
12 JUL	6	3.0	13: 1	14: 18	17: 2			11 AUG	2	1.0	14: 14		
			20: 2	76: 2				12 AUG	2	2.0	14: 15	20: 8	
13 JUL	3	4.0	14: 36	17: 1	20: 27			12 AUG	2	3.0	13: 1	14: 8	
14 JUL	3	4.0	14: 12	20: 20				13 AUG	6	3.0	14: 18		
14 JUL	6	4.0	11: 1	14: 15	17: 1			13 AUG	3	3.0	13: 12	14: 38	17: 1
			20: 2	76: 5						20: 20			
15 JUL	3	4.0	14: 25	20: 26				14 AUG	6	3.0	14: 41	20: 5	
16 JUL	3	4.0	13: 12	14: 22	16: 1			15 AUG	2	1.0	14: 10	20: 2	
			20: 40					15 AUG	3	4.0	14: 15	20: 4	
17 JUL	6	3.0	13: 3	14: 2	20: 3			16 AUG	3	4.5	13: 14	14: 42	20: 3
			34: 1	70: 2				16 AUG	2	4.0	14: 1	50: 2	54: 2
18 JUL	6	3.0	14: 14	20: 2				17 AUG	3	4.0	13: 1	14: 38	
19 JUL	6	3.0	14: 42	20: 3	119: 1			18 AUG	3	4.0	13: 6	14: 35	17: 3
20 JUL	6	3.0	14: 20	20: 2						20: 25			
21 JUL	6	3.0	14: 51	20: 4				18 AUG	6	4.0	15: 36		

APPENDIX TABLE 22 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —													
			14: 39	20: 4	13: 3	14: 11	20: 17				14: 4	14: 54	20: 10	13: 2	14: 39	20: 2	13: 12	14: 1	16: 1	19: 1	70: 14	14: 4	42: 2	2: 2
19 AUG	6	4.0	14: 39	20: 4				17 SEP	6	4.0	14: 41	20: 5	54: 2											
19 AUG	3	3.5	13: 3	14: 11	20: 17						76: 4													
20 AUG	3	4.0	4: 4	14: 54	20: 10			17 SEP	3	4.5	1: 1	13: 1	14: 102											
20 AUG	6	4.0	13: 2	14: 39	20: 2						20: 28													
21 AUG	6	4.0	13: 12	14: 1	16: 1	19 SEP	2	1.0			14: 4	42: 2												
			20: 1	70: 14		20 SEP	3	5.0	2: 2	13: 5	14: 87													
22 AUG	6	2.0	14: 17								17: 1	20: 11												
23 AUG	6	4.0	14: 49	20: 1	24: 1	23 SEP	3	4.0	14: 43	20: 4														
			50: 1	76: 10	85: 2	24 SEP	3	4.0	14: 22	20: 3														
24 AUG	6	4.0	13: 6	14: 14		27 SEP	2	1.0	14: 4	20: 3														
25 AUG	2	3.0	14: 52	20: 8		29 SEP	6	4.0	14: 39	20: 3	76: 2													
27 AUG	2	4.0	13: 1	14: 76	17: 1	30 SEP	6	4.0	14: 60	20: 3	76: 3													
			20: 13								85: 6													
28 AUG	6	3.0	14: 48	20: 3	42: 1						85: 6													
			62: 9	76: 4	85: 3	1 OCT	6	4.0	14: 10	20: 1	76: 3													
29 AUG	6	4.0	13: 1	14: 29	48: 1						85: 1													
			62: 7	76: 3		1 OCT	3	4.0	13: 11	14: 78	20: 34													
30 AUG	6	4.0	14: 42	36: 1	62: 10	2 OCT	6	4.0	2: 1	14: 25	20: 5													
			76: 2	85: 2							62: 1													
31 AUG	6	4.0	14: 11	20: 1	62: 10	3 OCT	6	4.0	14: 40	20: 12														
			76: 2			3 OCT	3	5.0	14: 107	20: 26														
1 SEP	2	2.0	14: 14	20: 5		4 OCT	6	4.0	14: 50	20: 5														
2 SEP	6	3.0	13: 1	14: 50	62: 20	5 OCT	6	5.0	14: 38	20: 20														
			76: 8	85: 3		6 OCT	3	2.0	14: 30	20: 4														
3 SEP	6	4.0	13: 1	14: 49	62: 9	7 OCT	2	4.5	14: 108	20: 15														
			76: 6			7 OCT	6	2.0	14: 21	20: 2														
3 SEP	3	3.0	2: 1	14: 57	20: 13	8 OCT	6	4.0	13: 5	14: 41	53: 1													
4 SEP	3	4.0	14: 55	20: 4							76: 4													
4 SEP	6	4.0	13: 1	14: 48	20: 2	8 OCT	3	3.5	14: 92	20: 48														
			76: 6	85: 3		9 OCT	6	4.0	13: 2	14: 5														
5 SEP	6	3.0	2: 1	14: 21		10 OCT	2	3.0	13: 2	14: 24	20: 14													
8 SEP	6	4.0	14: 60	20: 4	42: 1	12 OCT	2	5.0	14: 86	20: 36														
			62: 8			14 OCT	2	1.0	14: 18	20: 5														
8 SEP	3	5.0	7: 1	13: 1	14: 129	17 OCT	3	5.0	13: 3	14: 138	20: 14													
			20: 14	24: 1		18 OCT	3	4.0	14: 76	20: 4														
9 SEP	3	4.0	13: 5	14: 78	20: 12	18 OCT	6	4.0	13: 2	14: 14	20: 5													
9 SEP	6	4.0	14: 24	20: 2	62: 1	19 OCT	6	4.0	13: 4	14: 4	20: 2													
			85: 1								50: 1	62: 2												
10 SEP	3	4.0	13: 8	14: 30	20: 11	20 OCT	6	4.0	13: 3	14: 47	20: 5													
14 SEP	3	5.0	2: 1	13: 1	14: 80						62: 6													
			20: 45			21 OCT	3	4.5	13: 3	14: 89	20: 38													
14 SEP	6	4.0	14: 34	20: 2	54: 11						37: 2													
			71: 1			24 OCT	6	4.0	14: 29	20: 20	62: 6													
15 SEP	6	4.0	14: 53	20: 5	48: 1	25 OCT	6	4.0	14: 65	20: 2	42: 1													
			54: 7								53: 1	62: 4												
16 SEP	6	4.0	13: 9	14: 13	48: 1	27 OCT	6	4.0	14: 85	20: 6														
			54: 7			28 OCT	6	4.0	13: 4	14: 105	20: 6													

APPENDIX TABLE 22 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —			DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —		
28 OCT	6	4.0+	50:	2							
28 OCT	6	4.0	13:	8	14: 33						
30 OCT	6	4.0	13:	8	14: 11	20:	3				
			62:	10	76: 4	85:	2				
5 NOV	6	5.0	13:	6	14: 87	20:	19				
6 NOV	6	4.0	13:	1	14: 47	20:	2				
			62:	6	76: 8	85:	20				
11 NOV	6	4.0	13:	2	14: 24	20:	5				
			62:	3	76: 4						
11 NOV	3	5.0	14:	65	20: 17	76:	6				
12 NOV	6	4.0	13:	8	14: 14	20:	8				
			62:	2	76: 6	85:	4				
13 NOV	6	4.0	13:	1	14: 30	20:	10				
			76:	10	85: 12						
21 NOV	6	4.0	13:	1	14: 40	20:	4				
			21:	1	36: 1						
25 NOV	6	6.0	14:	42	20: 2	62:	6				
30 NOV	6	4.0	14:	13	20: 1	48:	2				
			76:	6	85: 9						

APPENDIX TABLE 23. LOGGED 1983 TROLLING CATCH AND EFFORT FROM MISSISSIPPI

DATE	ZONE	HOURS FISHED				HOURS FISHED			
		— CATCH PER SPECIES —				— CATCH PER SPECIES —			
16 APR	2	6.0	3: 28	12: 1		9 JUN	2	2.0+	12: 5
17 APR	2	6.0	3: 61	12: 1		10 JUN	2	2.0	2: 1 3: 68 6: 3
30 APR	2	4.5	3: 98	12: 2					7: 15
1 MAY	2	7.0	3: 60	12: 1		11 JUN	2	2.0	3: 38
5 MAY	2	4.0	3: 20	4: 1		11 JUN	2	2.5	3: 16
5 MAY	2	6.0	3: 90	4: 18		15 JUN	2	5.0	3: 70 6: 5 12: 2
6 MAY	3	6.0	3: 120	12: 1		16 JUN	2	3.0	3: 78 9: 33
7 MAY	2	6.0	3: 45			17 JUN	2	3.0	3: 3 9: 15
8 MAY	2	6.0	3: 80			17 JUN	2	6.0	3: 17 6: 3 9: 5
8 MAY	2	4.0				18 JUN	2	6.0	3: 47
9 MAY	2	6.0	2: 1	3: 40		18 JUN	2	4.0	3: 28 5: 1 9: 4
10 MAY	2	3.0	3: 30			18 JUN	2	6.0	3: 60 4: 12 8: 8
12 MAY	2	3.5	3: 20	4: 1	7: 1	19 JUN	2	5.0	3: 62 8: 5 12: 3
13 MAY	2	3.0	3: 42			20 JUN	2	3.0	3: 50 6: 4 29: 1
14 MAY	2	2.5	3: 7	5: 1		21 JUN	2	5.0	3: 58 6: 3 12: 3
14 MAY	2	6.0	3: 48	12: 2		24 JUN	2	6.0	3: 18 6: 3 12: 1
16 MAY	2	4.0	3: 5	7: 1	100: 1	24 JUN	2	5.0	3: 52 6: 8 12: 3
16 MAY	2	6.0	3: 60	12: 1		25 JUN	2	3.0	3: 30 5: 1
18 MAY	2	1.0	3: 5			25 JUN	2	5.0	3: 20 6: 3 12: 2
20 MAY	2	3.0	3: 65					29: 4	
24 MAY	2	5.0	2: 1	3: 99	4: 6	26 JUN	2	6.0	2: 1 3: 28 12: 4
25 MAY	2	6.0	2: 1	3: 68				29: 2	
26 MAY	2	3.0	3: 69			27 JUN	2	6.0	4: 12 12: 4 29: 2
26 MAY	2	4.0	2: 1			1 JUL	2	6.0	2: 1 3: 43 4: 4
27 MAY	2	5.0	4: 8					6: 2	
28 MAY	2	3.0	3: 38			2 JUL	2	6.0	2: 16 4: 4 6: 6
28 MAY	2	6.0	3: 34	7: 20	29: 1			29: 3	
29 MAY	2	6.0	3: 70			3 JUL	2	4.0	3: 24 6: 25 7: 35
29 MAY	2	6.0	3: 67	6: 8	7: 6			29: 1	
			9: 25	12: 1		3 JUL	2	6.0	3: 20 6: 4 12: 2
30 MAY	2	6.0	3: 68	12: 1				29: 2	
31 MAY	2	6.0	3: 61	6: 10	7: 20	3 JUL	2	6.0	3: 36 6: 1 7: 8
			12: 1					9: 12	12: 2 29: 1
2 JUN	2	6.0	3: 47	6: 6	9: 20	4 JUL	2	4.0	3: 35 7: 10 12: 2
3 JUN	2	6.0	3: 45	4: 1	6: 12	5 JUL	2	6.0	3: 46 6: 1 9: 6
			7: 15					29: 1	
3 JUN	2	6.0	3: 201	6: 6	7: 20	7 JUL	2	6.0	3: 69 6: 5 7: 6
			29: 1					9: 6	
4 JUN	2	5.5	3: 75	6: 5	7: 12	8 JUL	3	6.0	3: 6 6: 1
			12: 1			9 JUL	2	6.0	3: 86 9: 4
4 JUN	2	1.0	3: 22			9 JUL	2	3.0	3: 39
6 JUN	2	2.0	3: 70	6: 4	12: 2	10 JUL	2	6.0	3: 85 6: 8
7 JUN	2	2.0	3: 50	7: 20		11 JUL	2	6.0	3: 87 6: 10
7 JUN	2	5.0	3: 25	9: 26		11 JUL	6	3.0	3: 35 6: 6 7: 8
8 JUN	2	5.0	3: 27	12: 3		12 JUL	2	1.0	3: 15
8 JUN	2	2.0	3: 98	6: 7	12: 4	13 JUL	2	6.0	3: 85 4: 3 12: 12
9 JUN	2	2.0	3: 89	4: 4	9: 2	14 JUL	2	3.0	3: 60

APPENDIX TABLE 23 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				
16 JUL	2	6.0	3: 85	6: 5	12: 3			12 AUG	2	2.0	3: 15	7: 5			
16 JUL	2	6.0	3: 66	6: 4	7: 6			13 AUG	2	6.0	3: 20	4: 2	7: 10		
			8: 3							8: 1					
17 JUL	2	6.0	3:100	6: 6	7: 5			13 AUG	2	5.0	1: 1	3: 12	4: 6		
			12: 7							6: 2	7: 4				
19 JUL	2	6.0	3: 95	4: 12	5: 1			14 AUG	2	2.0	3: 12	7: 1			
			6: 5	7: 10	12: 3			15 AUG	2	6.0	3: 8	4: 6	9: 1		
21 JUL	2	6.0	2: 1	3: 68	4: 6			15 AUG	2	5.0	6: 25	12: 36	36: 7		
			6: 5	7: 10	12: 6			16 AUG	2	5.0	2: 20	4: 13	6: 7		
22 JUL	2	5.0	3: 60	6: 6	12: 1			17 AUG	2	5.0	1: 8	7: 6	12: 16		
23 JUL	2	6.0	3: 67	6: 4	12: 1			19 AUG	2	3.0	1: 7	4: 4			
23 JUL	2	4.0	3: 60	7: 40	9: 35			20 AUG	2	4.0	3: 32	7: 2	12: 2		
			12: 1					20 AUG	2	5.5	1: 5	3: 10	6: 3		
23 JUL	2	6.0	3: 20	4: 3	5: 1					12: 6					
			6: 1	7: 2						6.0	1: 9	3: 18	5: 2		
24 JUL	2	6.0	3: 32	6: 3	29: 4			21 AUG	2	5.0	1: 8	3: 15	6: 4		
24 JUL	2	6.0	3:140					21 AUG	2	6.0	3: 25	4: 6	7: 2		
25 JUL	2	6.0	3: 85	12: 1				22 AUG	2	3.0	3: 12	12: 1			
27 JUL	2	5.0	3: 50	29: 1				27 AUG	2	6.0	3: 1	4: 2	8: 1		
30 JUL	2	6.0	3: 58	12: 2				27 AUG	2	5.0	1: 2	3: 10	4: 17		
30 JUL	2	2.0	3: 2					28 AUG	2	5.0	3: 10	4: 14			
31 JUL	2	6.0	3: 59					31 AUG	2	3.0	3: 20				
3 AUG	2	3.0	3: 25	4: 6				2 SEP	2	5.0	3: 8	4: 16	6: 1		
4 AUG	2	3.0	3: 35							29: 1					
4 AUG	2	2.0	3: 12	7: 7				3 SEP	2	5.0	1: 11	3: 6	4: 1		
4 AUG	2	6.0	3: 10	7: 1	8: 3					6: 2	7: 4				
			9: 1					4 SEP	2	6.0	1: 4	3: 3	4: 6		
5 AUG	2	5.0	1: 4	14: 65						29: 1					
5 AUG	2	6.0	1: 1	3: 41				8 SEP	2	5.0	1: 1	3: 8	4: 6		
6 AUG	2	6.0	1: 1	3: 20	7: 1			9 SEP	2	5.0	1: 2	3: 12	4: 1		
			12: 2					10 SEP	2	8.0	1: 4	3: 1	4: 10		
6 AUG	2	5.0	1: 12	3: 9	6: 8					6: 3					
			7: 15					10 SEP	2	5.0	3: 22	29: 1			
7 AUG	2	5.0	1: 2	3: 6	4: 16			11 SEP	2	3.0	6: 1	7: 1			
			6: 4					11 SEP	2	5.0	2: 1	3: 42			
8 AUG	2	6.0	3: 6	4: 3	6: 1			11 SEP	2	1.0	3: 5				
			7: 4					13 SEP	2	5.0	3: 15	4: 1	6: 2		
8 AUG	2	5.0	1: 3	3: 35	6: 15					12: 8					
			7: 20					14 SEP	2	5.0	3: 45	6: 1	12: 1		
8 AUG	2	5.0	1: 3	4: 12	6: 5			15 SEP	2	3.0	3: 12	12: 2			
10 AUG	2	5.0	1: 2	3: 6	4: 9			16 SEP	2	3.0	2: 2				
			6: 5	7: 10	24: 2			17 SEP	2	5.0	3: 6	4: 14	12: 1		
11 AUG	2	5.0	1: 1	3: 22	4: 5			17 SEP	2	6.0	1: 2	3: 2	4: 2		
			6: 4	7: 10				18 SEP	2	5.0	3: 2	4: 22	6: 1		
11 AUG	2	6.0	3: 15	4: 3	7: 4					7: 2					
			8: 1					19 SEP	2	3.0	12: 8				
12 AUG	2	2.5	3: 4	12: 1	29: 1			19 SEP	2	6.0	1: 9	6: 4	7: 4		

APPENDIX TABLE 23 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			1:	5	3:	3	6:	2				7:	6	1:	1	3:	4
20 SEP	2	6.0															
21 SEP	2	3.0	1:	1	3:	4	9:	1									
24 SEP	2	5.0	1:	1	3:	10	8:	1									
25 SEP	2	6.0	3:	10	13:	11											
29 SEP	2	3.0	3:	9	12:	12											
1 OCT	2	5.0	1:	6	6:	5											
5 OCT	2	5.0	1:	2	8:	2											
6 OCT	2	5.0	1:	2	8:	2	12:	8									
			29:	1													
8 OCT	2	5.0	1:	3	3:	2	4:	19									
			8:	1	12:	7	29:	2									
29 OCT	2	6.0	1:	1	6:	1											

APPENDIX TABLE 24. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM MISSISSIPPI

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
			14: 58	1: 1	2: 2	7: 10				14: 60	18: 2	28: 30	45: 50
29 APR	3	6.0	14: 58										
6 MAY	3	3.0	1: 1	2: 2	7: 10								
			14: 60	18: 2									
14 MAY	2	5.0	28: 30	45: 50									
15 MAY	2	6.0	45:220										
17 MAY	2	4.0	45: 60										
18 MAY	2	4.0	2: 1										
20 MAY	2	6.0	28: 8	45: 57									
21 MAY	2	4.0	2: 1	45: 85									
12 JUN	2	5.0	6: 2	12: 2	29: 1								
12 JUN	2	2.0	9: 3	31: 15									
13 JUN	2	6.0	9: 14	31: 40									
14 JUN	2	4.0	9: 7	31: 20									
11 JUL	6	6.0	29: 2										
16 JUL	2	2.0	28: 20	31: 58									
26 JUL	2	6.0	2: 3	6: 15	14: 10								
			36: 50										
9 AUG	2	5.0	1: 4	14: 35	29: 5								
17 AUG	2	3.5	3: 1	9: 6	31: 20								
18 AUG	2	2.0	31: 10	70: 2									
2 OCT	2	3.0	31: 35										
3 OCT	2	6.0	31: 58										
4 OCT	2	3.0	31: 30										
15 OCT	2	3.0	28: 12										

APPENDIX TABLE 25. LOGGED 1983 TROLLING CATCH AND EFFORT FROM LOUISIANA

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
			1:	5					1:	5	7:
16 JAN	3	6.0	1:	5		20 JUL	3	7.0	6:	5	7:
21 JAN	3	6.0	1:	7					24:	37	
22 JAN	3	6.0	1:	17		22 JUL	3	5.0	21:	6	24:
23 JAN	3	4.0	1:	19	14:	30			55:	1	
24 JAN	3	4.0	1:	2		23 JUL	3	5.0	21:	6	22:
27 JAN	3	2.0	1:	4	20:	6			38:	1	
28 JAN	3	3.0	1:	7	20:	2	24 JUL	3	5.5	21:	6
30 JAN	3	5.0	1:	12	6:	3			22:	1	24:
2 FEB	3	6.0	1:	11	6:	2	25 JUL	3	5.0	6:	5
5 FEB	3	5.0	1:	16			28 JUL	3	7.0	21:	1
7 FEB	3	6.0	1:	12			29 JUL	3	4.5	21:	4
9 FEB	3	5.0	1:	8			30 JUL	3	6.0	3:150	6:
11 FEB	3	5.0	1:	2			29 JUL	3	7.0	55:	1
13 FEB	3	5.0	1:	6	6:	4	30 JUL	3	6.0	3:84	6:
15 FEB	3	4.0	1:	12	6:	1	2 AUG	3	6.0	21:	6
17 FEB	3	5.0	1:	16			29 JUL	3	55:	1	
18 FEB	3	6.0	1:	34	6:	2	5 AUG	6	12.0	1:43	3:
14 MAY	3	4.0	23:	27			5 AUG	6	12.0	1:	5
15 MAY	3	5.0	3:	21	5:	7	5 AUG	3	7.0	6:	7
			7:	14	12:	21			29:	2	
30 MAY	3	7.0	22:	1	24:	130	35:	1	21:	5	22:
2 JUN	3	5.0	21:	1	22:	2	6 AUG	6	12.0	1:56	5:
3 JUN	3	9.0	21:	1	24:	1			7:	2	29:
4 JUN	3	2.0	3:	1	7:	1	6 AUG	3	5.0	21:	4
4 JUN	3	9.0	21:	1			6 AUG	3	5.0	22:	3
11 JUN	3	6.0	21:	4	24:	15			24:	64	
13 JUN	3	6.0	7:	2	24:	61	10 AUG	3	6.5	21:	2
14 JUN	3	9.0	7:	1	8:	2	11:	1	39:	1	
			12:	2	21:	1	22:	1	21:	1	24:
			24:	4			11 AUG	3	6.0	22:	1
16 JUN	3	2.0					12 AUG	3	8.0	21:	1
17 JUN	3	5.5	22:	2	24:	7	13 AUG	3	3.0	1:	1
23 JUN	3	8.5	21:	2	24:	2	13 AUG	3	7.0	21:	2
24 JUN	3	8.5	24:	6			14 AUG	1	5.0	24:	3
25 JUN	3	7.5	21:	2					21:	3	
1 JUL	3	7.0	21:	5	22:	1	18 AUG	3	4.0	21:	6
1 JUL	3	8.5	24:	2	38:	2	19 AUG	3	6.0	22:	2
2 JUL	3	8.0	21:	6	22:	2	20 AUG	3	5.0	6:	2
2 JUL	3	8.0	24:	2	38:	1	20 AUG	3	10.0	21:	2
3 JUL	3	5.5	21:	3	22:	1	24:	7	11:	1	24:
3 JUL	3	7.0	22:	1	38:	1	23 AUG	3	3.0	1:	55:
5 JUL	3	6.0	21:	1	24:	2	26 AUG	3	5.0	3:86	5:
15 JUL	3	10.0	22:	4	38:	1	28 AUG	3	5.0	7:	18
16 JUL	3	6.0	24:	5	39:	1			6:	7	
16 JUL	3	10.0	38:	1	55:	1	30 AUG	3	2.0	2:	1
17 JUL	3	5.5	21:	5	22:	1	24:	26	3 SEP	3	5.5
			55:	1			2 SEP	3	21:	1	22:
							3 SEP	3	5.0	3:151	4:
									30		

APPENDIX TABLE 25 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				
			1:	3:	5:	7:	9:				1:	3:	5:	7:	9:
4 SEP	6	10.0	1: 73	3: 4	5: 4			23 OCT	3	6.0+	6: 1	7: 7			
			8: 6					25 OCT	3	5.0	1: 2	3: 1	6: 3		
4 SEP	3	6.0	3: 96	4: 30							7: 1	29: 1			
8 SEP	6	5.0	1: 7	3: 2	6: 1			3 NOV	3	6.0	21: 1	22: 1	23: 2		
			7: 2	12: 1				4 NOV	6	10.0	1: 18	3: 4	6: 5		
9 SEP	6	7.0	1: 9	3: 3	6: 1						7: 2	23: 3			
			7: 1					5 NOV	6	5.0	1: 13	3: 2	6: 3		
10 SEP	3	6.0	1: 2	3: 152	4: 1			7 NOV	6	10.0	1: 5	3: 2	6: 8		
			5: 6	7: 8							7: 1				
11 SEP	3	5.0	1: 2	3: 148	4: 2										
			5: 1	6: 8											
18 SEP	2	10.0	1: 22	3: 7	4: 21										
			5: 2	6: 7	7: 4										
19 SEP	6	12.0	1: 31	3: 3	5: 9										
			6: 10	7: 1											
20 SEP	6	10.0	1: 26	3: 9	5: 5										
			6: 3	7: 3											
20 SEP	3	0.5	6: 15												
25 SEP	3	6.0	1: 24	3: 46	4: 2										
			6: 6	12: 2											
26 SEP	6	10.5	1: 7	3: 2	5: 2										
			6: 3	7: 5											
28 SEP	3	6.0	1: 16	3: 51	6: 4										
			12: 1												
1 OCT	3	5.5	1: 10	3: 62	4: 1										
			6: 14	12: 6											
2 OCT	3	6.0	1: 8	3: 14	5: 5										
			6: 6	7: 10	12: 2										
3 OCT	3	5.0	1: 16	3: 42	5: 6										
			6: 5	7: 2											
7 OCT	3	5.0	1: 12	3: 26	6: 10										
			7: 6	12: 1											
8 OCT	3	5.0	1: 9	3: 31	5: 2										
			6: 5	7: 1											
9 OCT	3	6.0	1: 9	3: 24	6: 6										
			7: 1												
10 OCT	3	5.0	1: 2	3: 16	6: 5										
			7: 3												
10 OCT	3	4.0	21: 1												
11 OCT	2	10.0	1: 15	3: 5	6: 2										
			7: 1												
15 OCT	3	5.5	1: 6	3: 18	6: 7										
			7: 10												
17 OCT	3	5.0	1: 6	3: 28	5: 2										
			7: 7	12: 2											
18 OCT	2	3.0	1: 2	6: 1	7: 1										
23 OCT	3	6.0	1: 5	3: 36	5: 2										

APPENDIX TABLE 26. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM LOUISIANA

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			3:	4:	5:	6:	7:				8:	9:	10:	11:	12:	13:	
9 JAN	3	5.0	3: 3	4: 5	5: 4	6: 2	7: 5	21 MAR	3	5.5+	7: 6	14: 29	20: 3	27: 90	58: 78		
			14: 25	20: 1	27: 50												
			58: 75					22 MAR	3	5.5	5: 7	7: 9	14: 72				
14 JAN	3	5.0	4: 1	5: 6	6: 2	7: 5	14: 21	16 APR	3	5.5	20: 15	27: 97	58: 140				
			7: 5	14: 21	16: 1	20: 2	27: 82				4: 4	6: 6	7: 5	14: 28	20: 5	27: 65	
23 JAN	3	2.0	27: 38	58: 61										58: 128			
24 JAN	3	2.0	27: 25	58: 36				17 APR	3	5.5	1: 2	5: 9	7: 6				
27 JAN	3	4.0	4: 6	27: 18	58: 30						14: 28	20: 2	27: 94				
28 JAN	3	3.0	4: 4	27: 24	58: 41									58: 141			
3 FEB	3	5.0	1: 15	28: 48				23 APR	3	5.5	6: 2	7: 5	14: 41				
19 FEB	3	6.0	5: 12	14: 25	21: 2	27: 65	47: 4	24 APR	3	5.0	7: 5	13: 14	27: 24				
22 FEB	3	5.0	1: 18	4: 1	5: 10	6: 1	7: 5	1 MAY	3	5.5	5: 6	13: 12	14: 10	27: 35	58: 20		
			27: 65	47: 4	58: 106	20: 8	27: 97				14: 20	27: 40	58: 32				
24 FEB	3	5.0	1: 6	4: 3	5: 4	14: 5	20: 2	27: 49	11 MAY	3	5.5	2: 1	13: 14	27: 45			
			14: 5	20: 2	27: 49	58: 68					7: 1	14: 1	27: 52	28: 64	30: 2	42: 1	
25 FEB	3	5.0	1: 12	5: 9	7: 2	14: 3	20: 1	27: 82	22 MAY	3	5.0	43: 1	47: 1				
			14: 3	20: 1	27: 82	58: 96					1: 1	2: 2	9: 30	13: 21	14: 150	17: 1	
26 FEB	3	5.0	1: 8	4: 2	5: 18	14: 46	20: 9	27: 78	23 MAY	3	5.0	20: 30	27: 30	30: 60			
			14: 46	20: 9	27: 78	58: 81					2: 2	9: 35	13: 60	14: 121	20: 60	30: 60	
2 MAR	3	5.0	4: 16	5: 2	7: 5	27: 46	58: 84		24 MAY	3	5.0	2: 3	9: 40	12: 2	13: 62	14: 20	
9 MAR	3	6.0	1: 5	4: 9	5: 4	7: 10	14: 22	20: 5	24 MAY	3	5.0	14: 12	20: 10				
			7: 10	14: 22	20: 5	27: 82	58: 75				1: 1	7: 10	13: 2				
12 MAR	3	6.0	1: 9	4: 3	5: 9	6: 2	7: 8	14: 42	25 MAY	3	5.0	12: 4	14: 60	20: 60	24: 60	27: 10	30: 60
			6: 2	7: 8	14: 42	16: 2	20: 9	27: 71	26 MAY	3	5.0	1: 2	9: 30	13: 42	14: 96	20: 20	27: 10
13 MAR	3	5.0	7: 6	13: 12	27: 64	58: 82	62: 28	64: 1	27 MAY	3	5.0	2: 2	13: 18	14: 300	20: 40	27: 3	30: 60
14 MAR	3	5.5	1: 18	4: 2	14: 12	27: 59	58: 106		28 MAY	3	3.0	14: 7	27: 61	28: 46	30: 28	47: 4	
15 MAR	3	5.5	1: 26	4: 9	5: 6	6: 2	7: 5	20: 4	28 MAY	3	5.0	2: 4	13: 21	14: 280	20: 48	30: 30	
			6: 2	7: 5	20: 4	27: 38	58: 162				5: 4	12: 2	14: 26				
19 MAR	3	5.5	1: 1	5: 7	14: 64	20: 4	27: 101	58: 96	29 MAY	3	4.0	20: 6	27: 35	58: 6			
20 MAR	3	5.5	1: 19	5: 7	6: 4	7: 9	14: 38	16: 2	29 MAY	3	5.0	2: 3	13: 12	14: 135	20: 22	30: 20	
			7: 9	14: 38	16: 2	20: 5	27: 78	58: 116	29 MAY	3	6.0	7: 2	14: 16	16: 2	27: 23	28: 25	30: 10
21 MAR	3	5.5	1: 7	4: 1	5: 12												

APPENDIX TABLE 26 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				
			36: 10	47: 4	48: 2	10 JUN	3				14: 18	27: 41	58: 14		
29 MAY	3	6.0+	36: 10	47: 4	48: 2	10 JUN	3	5.5	14: 18	27: 41	58: 14				
30 MAY	3	6.0	14: 39	16: 2	27: 9	11 JUN	3	5.0	14: 35	27: 2	58: 8				
			28: 14	30: 3	36: 1	11 JUN	3	5.0	2: 2	13: 36	14: 40				
			47: 1						20: 35						
30 MAY	3	5.0	2: 1	13: 15	14: 85	11 JUN	3	6.0	6: 1	14: 6	27: 43				
			20: 27						36: 1	47: 4	58: 21				
31 MAY	6	6.0	1: 1	12: 1	27: 14	12 JUN	3	9.0	2: 1	8: 3	13: 9				
			28: 32	30: 2					37: 26						
31 MAY	3	5.0	13: 12	14: 60	24:600	12 JUN	3	3.0	5: 1	12: 1	14: 3				
1 JUN	3	5.0	1: 2	2: 2	13: 16				27: 12	28: 42	30: 11				
			14:130	20: 29					36: 2	47: 1					
1 JUN	3	6.0	14: 6	27: 21	28: 56	12 JUN	3	5.0	1: 2	2: 1	13: 38				
			30: 17	36: 1					20: 24						
1 JUN	3	5.0	13: 7	14: 14		12 JUN	3	4.5	5: 2	7: 6	13: 2				
2 JUN	3	6.0	7: 4	27: 1	28: 60				14: 35	27: 45	58: 20				
			30: 2	36: 2					5: 1	13: 18	14:240				
2 JUN	3	5.0	1: 2	2: 3	14:190				20: 16						
			20: 45												
3 JUN	3	5.0	1: 2	13: 14	14: 75	14 JUN	3	1.0							
			20: 35	27: 18		15 JUN	3	4.0	8: 2	12: 1	13: 27				
3 JUN	3	6.0	5: 2	12: 1						14: 1					
4 JUN	3	3.5	14: 20	27: 30	28: 20	15 JUN	3	3.0	14: 11	27: 21	28: 19				
4 JUN	3	6.0	27: 26	28: 4	30: 4				30: 15	47: 2					
4 JUN	3	5.0	2: 3	13: 17	14:110	15 JUN	3	5.0	14: 65	27: 44	58: 28				
4 JUN	3	4.0	14: 1			16 JUN	3	4.0	5: 8	14: 19	27: 6				
5 JUN	3	5.0	5: 2	14: 10	27: 25				28: 21	30: 12	36: 3				
			58: 15						13: 9	27: 11	28: 4				
5 JUN	3	5.0	1: 3	2: 2	14:190	16 JUN	3	4.0	7: 6	14: 22	19: 1				
			20: 28						27: 28	28: 16	30: 3				
5 JUN	3	6.0	4: 4	27: 12	30: 3				36: 4	47: 3					
			36: 2	58: 22					13: 30	14: 12	37: 3				
5 JUN	3	4.0	13: 1	14: 20	27: 40	17 JUN	3	5.0	2: 1	6: 1	11: 1				
			28: 8	37: 1					13: 12	14: 75	20: 2				
6 JUN	3	4.0	13: 1	27: 15	28: 15					24:500					
7 JUN	3	4.0	13: 4	14: 15		18 JUN	3	5.0	1: 1	2: 5	13: 18				
8 JUN	3	4.0	8: 1	13: 1	27: 3				14: 78	20: 8	24: 60				
8 JUN	3	5.0	1: 4	2: 2	13: 28				27: 1						
			14:325	20: 60											
9 JUN	3	5.0	1: 1	2: 2	13: 16	18 JUN	3	3.0	13: 4	14: 1	46: 1				
			14:150	20: 12					5: 6	7: 2	14: 12				
9 JUN	3	4.0	8: 2	13: 27					20: 11	27: 12	28: 16				
10 JUN	6	4.5	14: 55	27: 5	37: 1	19 JUN	3	4.5	3: 2	5: 1	7: 3				
10 JUN	3	6.0	13: 2	14: 14	27: 64				12: 1	13: 2	27: 60				
			30: 9	36: 2	47: 11				30: 21	58: 17					
			58: 67						27: 26						
10 JUN	3	5.0	1: 2	2: 2	12: 8	19 JUN	3	5.0	1: 2	2: 2	11: 2				
			14: 70	20: 20					13: 16	14:145	20: 24				

APPENDIX TABLE 26 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —							
			27: 12	4: 2	5: 4	7: 5	12: 1	14: 26	20: 5	27: 45	42: 5	58: 26	60: 7	1 JUL	3	4.0+	47: 2	58: 12	63: 2
19 JUN	3	5.0+												1 JUL	3	5.0	13: 5	14: 45	
19 JUN	3	4.5												2 JUL	3	5.0	1: 17	13: 35	14: 110
			12: 1	14: 26	20: 5											27: 12	58: 6		
			27: 45	42: 5	58: 26									2 JUL	3	5.0	14: 13	27: 16	36: 2
			60: 7																
20 JUN	1	2.0	27: 4	45: 1										2 JUL	3	5.0	58: 3	63: 2	
21 JUN	3	5.0	2: 5	14: 65	20: 8									3 JUL	3	4.0	12: 1	13: 2	16: 1
			24: 72													20: 3	27: 19	28: 42	
23 JUN	3	5.0	1: 1	2: 1	12: 1									3 JUL	3	5.0	1: 3	13: 55	14: 120
			13: 16	14: 156	27: 4											30: 12			
23 JUN	3	5.0	5: 1	6: 2	14: 2									4 JUL	3	4.0	14: 140	27: 90	28: 15
			16: 1	27: 8	30: 11									5 JUL	3	5.5	2: 1	6: 1	7: 4
			58: 12													14: 38	27: 56	58: 28	
24 JUN	3	4.0	5: 6	12: 2	16: 1									6 JUL	3	5.0	2: 1	8: 1	12: 1
			27: 26	30: 16	36: 4											14: 14	17: 4	27: 95	
			58: 37																
24 JUN	3	5.0	1: 2	12: 2	13: 35									6 JUL	3	5.0	3: 1	14: 22	16: 2
			14: 230	27: 15												27: 24	28: 36	30: 19	
25 JUN	3	5.0	1: 1	13: 37	14: 190									7 JUL	3	5.0	63: 4		
			28: 14													1: 4	2: 2	8: 1	
25 JUN	3	4.0	12: 1	13: 3	14: 1									7 JUL	3	5.0	12: 1	13: 22	14: 2
			20: 3	27: 27	30: 10											37: 2			
			36: 4	58: 26												1: 3	13: 23	14: 3	
25 JUN	3	4.0	11: 1	13: 30	14: 2									8 JUL	3	4.0	1: 18	13: 22	14: 135
			17: 1	37: 1	47: 3											27: 12			
25 JUN	3	5.0	5: 6	7: 10	12: 2									8 JUL	3	4.0	7: 4	14: 1	27: 26
			13: 2	14: 38	20: 6											28: 41	30: 6	36: 2	
			27: 86	42: 2	50: 7									9 JUL	3	5.0	1: 8	13: 18	14: 240
			58: 41													7: 3	14: 3	27: 50	
26 JUN	2	1.0	63: 1													28: 36	30: 8	36: 1	
26 JUN	3	4.0	19: 1	27: 72	28: 26									9 JUL	3	4.0	8: 30	13: 6	14: 4
26 JUN	3	5.0	13: 48	14: 260	27: 5											27: 20			
			58: 6																
28 JUN	3	4.0	2: 1	12: 3	14: 9									9 JUL	3	5.5	6: 2	7: 5	14: 55
			16: 2	27: 31	30: 12											27: 46	58: 21		
			47: 2	58: 12	63: 3											2: 1	5: 2	7: 6	
			14: 42	20: 6	27: 51														
28 JUN	1	5.0	4: 3	12: 2	27: 16											58: 23			
			43: 11													1: 3	13: 20	14: 12	
29 JUN	3	4.0	7: 1	14: 3	27: 330									10 JUL	3	4.0	1: 1	14: 6	27: 21
			28: 9													28: 19			
30 JUN	3	5.0	5: 4	14: 6	20: 5									10 JUL	3	5.0	6: 1	13: 37	14: 152
			27: 67	30: 12	47: 2											20: 12	27: 5	28: 8	
			58: 17	63: 6										11 JUL	3	4.5	14: 5	16: 2	27: 36
1 JUL	3	6.0	1: 5	2: 2	13: 6											28: 50	36: 1	42: 2	
1 JUL	3	4.0	14: 11	16: 3	20: 12											1: 1	2: 1	8: 8	
			27: 6	30: 16	36: 1									12 JUL	3	4.0	13: 20		
																13: 1	14: 23	27: 40	

APPENDIX TABLE 26 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
13 JUL	3	4.0	2:	3	13:	1	14:	14	22 JUL	3	4.0	12:	2	14:	2	27: 54
												28:	11	30:	14	36: 6
13 JUL	3	5.0	14:	2	27:	17	28:	28	22 JUL	3	5.0	14:430				
												30:	12	42:	1	54: 3
14 JUL	3	3.5	7:	12	8:	2	13:	14	22 JUL	3	4.5	2:	1	8:	3	13: 11
												14:	80	20:	1	57: 3
14 JUL	3	5.0	1:	3	2:	1	5:	4	23 JUL	3	3.5	8:	4	13:	11	14:240
												2:	1	6:	4	14:300
												13:	18	14:136	20:	7
												27:	4			
									23 JUL	3	4.5	7:	3	12:	2	14: 6
14 JUL	3	3.0	13:	28								27:	21	28:	16	30: 12
15 JUL	3	5.0	2:	1	14:	3	27:	150				36:	3			
15 JUL	3	5.0	1:	4	13:	32	14:	460	24 JUL	3	4.0	8:	3	13:	17	14: 70
												20:	2	57:	3	
15 JUL	3	4.0	14:	2	27:	85	28:	31	25 JUL	3	4.0	8:	1	13:	5	14: 30
												30:	12			
15 JUL	3	5.0	3:	8	5:	6	6:	1	26 JUL	7	5.0	13:	1	27:	43	
												20:	10	24:	8	27: 25
									26 JUL	3	5.0	1:	2	14:330	20:	18
												58:	36	26:	14	20: 10
16 JUL	3	5.0	1:	1	7:	2	27:	18				27:	48			
									27 JUL	3	4.0	1:	1	11:	1	12: 2
16 JUL	3	5.0	1:	1	5:	5	13:	26				27:	11	28:	23	30: 16
												36:	6			
16 JUL	3	4.0	13:	17	14:	1	37:	8	27 JUL	3	5.0	13:	10	14:120	20:	12
17 JUL	6	3.5	2:	1	12:	1	27:	220	27 JUL	3	4.0	27:	90	37:	1	
17 JUL	3	4.0	8:	1	14:	3	27:	41	28 JUL	3	5.0	27:200	28:	30		
												28:	15	30:	16	36: 3
									28 JUL	3	5.0	1:	2	14:	70	
												47:	2			
17 JUL	3	5.0	1:	1	14:390	20:	8		29 JUL	3	4.5	5:	12	7:	4	14: 31
												27:	5			
18 JUL	3	4.0	1:	1	14:	2	27:	8	29 JUL	3	5.0	2:	2	14:180		
												28:	19	36:	6	
18 JUL	3	4.0	1:	3	2:	1	8:	9	30 JUL	3	3.0	13:	8	14:	4	37: 1
												13:	18	24:	1	
19 JUL	3	5.0	14:	3	19:	1	27:	35	30 JUL	3	4.0	1:	1	14:	1	27: 26
19 JUL	3	5.0	1:	2	5:	2	14:385		31 JUL	3	4.0	28:	18	36:	6	
												20:	30			
20 JUL	3	5.0	1:	1	2:	1	5:	2	31 JUL	3	5.0	5:	6	14:	26	30: 6
												36:	8	63:	6	
20 JUL	3	5.0	7:	1	14:	80	20:	3				1:	2	2:	1	5: 12
												27:	12			
20 JUL	3	4.0	13:	8	27:	40			1 AUG	3	5.0	5:	2	14:	6	27: 6
20 JUL	3	5.0	3:	16	5:	5	14:	10				28:	11	30:	16	36: 2
												27:	36			
21 JUL	3	5.0	13:	27	14:	35	27:	25				63:	3			
21 JUL	3	5.0	1:	1	2:	1	6:	2	2 AUG	3	3.0	5:	2	14:	4	27: 8
												14:120	20:	18	27:	2
21 JUL	3	4.0	1:	1	14:	3	27:	67	3 AUG	3	4.0	2:	1	5:	1	13: 11
												28:	26	30:	12	
									3 AUG	3	5.0	14:	2	27:	8	37: 1
												1:	3	2:	1	13: 15

APPENDIX TABLE 26 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --						DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
			14:29	1 20:	15	27: 11	12 AUG	3				4.0+	63: 3	14: 10	20: 20	27: 60	
3 AUG	3	5.0+	14:29	1 20:	15	27: 11	12 AUG	3	5.0	14: 10	20: 20	27: 60					
4 AUG	3	5.0	12: 1	14: 3	27: 11	28: 8	30: 6	63: 1	13 AUG	3	2.5	14: 5	27: 30				
4 AUG	3	5.0	2: 2	13: 8	14:105	20: 6			13 AUG	3	5.0	2: 2	5: 6	14: 60	20: 12		
4 AUG	3	3.0	12: 2	14: 3	27: 25	28: 18			13 AUG	3	4.0	2: 2	14: 2	27: 66	28: 47	36: 2	
5 AUG	3	4.0	5: 1	13: 14	14: 26	81: 5			13 AUG	3	4.0	13: 23	14: 9	37: 7	49: 1		
5 AUG	3	5.0	1: 3	2: 2	5: 10	14: 90	20: 8		14 AUG	3	4.0	1: 4	27:200	28: 35	47: 1		
5 AUG	3	4.0	6: 1	7: 3	14: 13	27: 8	28: 14	30: 8	14 AUG	3	3.5	14: 1	27: 27	28: 6	36: 3		
6 AUG	3	4.5	14: 11	15: 1	27: 27	28: 18	30: 12	36: 4	14 AUG	3	5.0	1: 4	2: 2	13: 3	14:106	20: 4	
6 AUG	3	5.0	1: 5	2: 1	12: 5	14:240			15 AUG	3	4.0	14: 3	27:250	28:200	5.0	27: 40	
6 AUG	3	4.0	11: 1	12: 2	13: 5	14: 74	118: 2		16 AUG	3	5.0	5: 2	14: 90	20: 3			
7 AUG	3	4.0	2: 1	14: 3	27:150	28:150			18 AUG	3	6.0	13: 12	14: 1	37: 4			
7 AUG	3	5.0	4: 1	5: 10	14:390	20: 12			19 AUG	3	6.0	13: 20	14: 25	37: 5	1: 7	2: 2	14: 35
7 AUG	3	4.0	5: 1	7: 2	27: 36	28: 28	30: 3	36: 5	19 AUG	3	4.5	27: 42	28: 28	30: 6	20: 3		
7 AUG	3	4.0	28: 6						20 AUG	3	4.0	1: 2	14: 3	27: 36	36: 1		
8 AUG	3	4.0	14: 5	27:200	28: 10						4.0	1: 2	14: 3	27: 36	28: 64	30: 12	36: 2
9 AUG	3	4.0	4: 8	14: 15	27:350	28: 50			20 AUG	3	5.0	1: 9	2: 1	13: 6	47: 2		
9 AUG	3	5.0	1: 7	2: 1	6: 30	11: 2	12: 3	14: 60	21 AUG	3	6.0	13: 15	14: 40	37: 9			
10 AUG	3	5.0	1: 8	5: 3	6: 10	14:170	20: 10		21 AUG	3	4.0	8: 1	27: 50	28:200	1: 2	12: 2	14: 1
10 AUG	3	4.0	5: 2	14: 12	27: 40	28: 12	36: 3	63: 4	21 AUG	3	5.0	13: 8	14:385		27: 76	28: 48	30: 6
10 AUG	3	4.0	14: 2	27:300	28: 30						4.0	36: 3					
11 AUG	3	4.0	1: 1	14: 2	27:200	28: 50			21 AUG	3	3.0	14: 10	27: 45				
11 AUG	3	4.5	5: 1	14: 1	27: 74	28: 16	30: 17		22 AUG	3	5.0	14:265	36: 19				
12 AUG	3	5.0	1: 1	2: 1	5: 3	12: 1	14:100	20: 5	22 AUG	3	4.0	14: 1	27:150	28: 50	1: 4	5: 1	14: 15
12 AUG	3	4.0	7: 1	14: 8	27: 44	28: 27	36: 1	54: 1	23 AUG	3	5.0	1: 6	7: 2	12: 1	27:160	28: 75	
											4.0	14: 4	27: 47	28: 76	20: 22		
											36: 2						

APPENDIX TABLE 26 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —			
24 AUG	3	5.0	1:	17	2:	4	14:391	10 SEP	3	4.0+	37:	15	
			20:	10				11 SEP	3	4.0	14:	9	27: 30 28: 8
25 AUG	3	4.0	1:	1	12:	1	14: 5	11 SEP	3	5.0	2:	1	14:165 19: 2
			27:150	28:100				12 SEP	2	2.0	90:	36	
26 AUG	3	4.0	1:	1	8:	3	27:200	14 SEP	3	4.0	1:	1	5: 1 14: 2
			28:	20							27:	30	28: 60
26 AUG	3	5.0	1:	3	2:	4	5: 8	14 SEP	3	5.0	14:	263	
			14:231	20:	6			15 SEP	3	4.0	1:	4	27: 90 28:100
26 AUG	3	4.5	12:	1	27:	36	28: 28	16 SEP	3	5.0	5:	3	14:420 19: 3
			36:	3	63:	2					20:	10	27: 40
27 AUG	3	4.0	7:	2	12:	1	14: 1	17 SEP	3	5.0	2:	2	5: 8 14:170
			27:	44	28:	27	30: 4				20:	14	
28 AUG	3	5.0	2:	2	5:	10	14:240	17 SEP	3	4.0	1:	1	14: 2 27:175
			20:	8				18 SEP	3	5.0	2:	2	5: 8 14:260
28 AUG	3	4.0	12:	1	14:	12	27: 46	19 SEP	3	4.0	19:	1	20: 15 27: 30
			28:	31	30:	8	36: 3				1:	1	5: 1 8: 1
			47:	1							27:	250	28: 75
29 AUG	3	5.0	1:	2	14:	180		20 SEP	3	4.0	5:	1	14: 4 27:200
30 AUG	3	5.0	5:	5	14:	140	20: 16				28:	60	
30 AUG	3	5.0	14:	5	27:	75	28: 50	20 SEP	3	3.0	5:	1	7: 2 14: 20
30 AUG	3	3.0	20:	10	27:	56					20:	3	27: 30 28: 2
31 AUG	3	4.0	14:	9	27:	90	28: 40	22 SEP	3	4.0	14:	17	27: 10 28: 10
			49:	1				23 SEP	3	4.0	4:	4	5: 2 14: 15
31 AUG	3	4.5	1:	2	14:	4	27: 37				19:	2	27: 25
			28:	62	30:	1	36: 8	24 SEP	3	4.0	13:	15	37: 8
2 SEP	3	5.0	14:350	20:	22	27:	40	27 SEP	3	12.0	14:128	27:	7
2 SEP	3	4.0	1:	12	8:	1	14: 3	29 SEP	3	5.0	2:	1	14:140 20: 14
			27:150	28:	30			30 SEP	3	5.0	1:	1	2: 1 14:200
3 SEP	3	5.0	8:	3	13:	3	14: 5				20:	6	27: 4
			20:	1	23:	1	27:200	30 SEP	3	4.0	1:	3	8: 1 14: 12
			28:	25							27:	200	28:125
3 SEP	3	5.0	14:180	20:	5	27:	18	1 OCT	3	5.0	4:	2	14:230 20: 22
4 SEP	3	5.0	14:110					2 OCT	3	5.0	1:	1	5: 3 7: 2
6 SEP	5	5.0	9:	1	27:	51	28: 10				14:300	16:	1 20: 15
7 SEP	3	4.0	1:	3	27:150	28:	40				27:	60	63: 4
7 SEP	3	5.0	1:	2	14:172	20:	16	2 OCT	3	4.0	1:	18	14: 4 27:100
			27:	36							28:	200	
8 SEP	3	4.0	2:	1	8:	1	14: 60	3 OCT	3	5.0	1:	1	2: 2 5: 36
			43:	2							14:220	20:	5 27: 6
9 SEP	3	4.0	1:	3	3:	1	4: 2	4 OCT	3	5.0	5:	20	14:190 16: 11
			12:	2	14:	40	27:200				20:	8	27: 25
			28:100	43:	1			5 OCT	3	5.0	2:	2	4: 5 5: 40
9 SEP	3	5.0	14:226	20:	15	27:	30				14:300	16:	8 20: 6
10 SEP	3	5.0	14:185	20:	6	27:	10				27:	8	
			28:	5				5 OCT	3	4.0	1:	7	14: 4 27: 50
10 SEP	3	4.0	13:	2	14:	8	27: 20				28:	110	

APPENDIX TABLE 26 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —									
			5:	8	11:	1	14:120	15:	1	16:	2	20:30	27:	12	21 OCT	3	4.0	1:	2	5:	2
5 OCT	3	5.0															19:	1	27:	25	28:125
7 OCT	3	5.0	1:	1	2:	1	5: 35										4.0	1:	2	5:	1
			11:	3	14:	90	17: 1									21 OCT	3	5.0	27: 50	28:220	
			19:	1	20:	15	27: 15										2:	3	3:	2	5: 8
																	6:	3	7:	12	14: 80
8 OCT	3	5.0	1:	1	5:	1	14: 75										17: 15	20:	15	27: 55	
			16:	2	17:	1	19: 1										28: 10				
																	20: 18				
																	21 OCT	3	5.0	2:	2
8 OCT	3	5.0	1:	8	14:	3	27: 60										1:	1	2:	2	14: 40
			28:120														27:100				
8 OCT	3	5.0	1:	5	4:	1	5: 6										22 OCT	3	5.0	1:	1
			6:	8	11:	2	14: 38										20: 15	27:125			
			16:	1	20:	16	27:322										2:	2	14:	20	20: 40
																	27:450	28:140			
9 OCT	3	5.0	1:	1	5:	3	6: 11										22 OCT	3	4.0	1:	5
			13:	1	14:	15	20: 9										14:	7	27:	50	28:250
																	27:340				
																	22 OCT	3	6.0	1:	12
9 OCT	3	5.0	1:	14	14:	5	27: 50										1:	144			
			28:110														23 OCT	3	3.0	1:	3
9 OCT	3	5.0	1:	3	4:	1	5: 8										27:	50	28:200		
			14:	75	16:	2	20: 6										2:	2	6:	8	13: 2
10 OCT	3	5.0	1:	3	2:	1	4: 1										14:	90	17:	3	20: 6
			5:	4	14:	12	27: 80										27:115	28: 20			
10 OCT	3	1.0	1:	6	27:	30	28: 20										23 OCT	3	5.0	2:	2
12 OCT	3	4.0	1:	5	14:	3	27:150										7:	5	14:	5	20: 30
			28:225														27:175				
14 OCT	3	4.0	14:	6	27:100	28:200											24 OCT	3	5.0	1:	2
15 OCT	3	4.0	1:	1	14:	3	27: 75										5:	10	7:	13	14: 15
			28:125														20:	12	27:125		
16 OCT	3	4.0	1:	4	5:	3	14: 11										27:150	28:250	1:	14	5: 4
			19:	1	27:	150	28: 30										19:	1	27:100	28:300	
16 OCT	3	5.0	1:	1	2:	3	4: 1										5:	10	6:	14:	27: 26
			5:	10	6:	12	14: 40										20:	10	58:105		
			20:	10	27:120	28: 30											12.0	5:	5	14:226	27: 72
16 OCT	3	5.0	2:	1	3:	1	4: 1										28:	60			
			5:	10	7:	12	14: 25										3.0	1:	8	5:	2
			20:	12	27:120												27:	25	28:125		
17 OCT	3	5.0	1:	1	4:	1	5: 15										5.0	1:	4	2:	1
			7:	8	14:	8	20: 4										6:	6	11:	1	14: 25
			27:135														20:	1	27:610	28: 50	
17 OCT	3	5.0	1:	3	2:	1	5: 3										5.0	1:	4	7:	6
			6:	6	14:100	20: 3											20:	10	27:225	28: 35	
			27:150	28: 30													6.0	1:	14	27:	51
18 OCT	3	12.0	5:	9	13:	2	14: 51										6.0	4:	1	5:	1
			27:	28	28:103												11:	2	14: 10	27:175	28: 75
19 OCT	3	4.0	1:	3	14:	2	27: 20										6.0	1:	1	2:	2
			28:100														5:	3	6:	1	7: 10

APPENDIX TABLE 26 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			14: 20	20: 1	27: 200	28: 30	1: 1				14: 1	2: 4	5: 4	14: 65	27: 65	28: 50	
28 OCT	3	6.0+	5: 4	12: 2	27: 25	28: 150	1: 7	7 NOV	3	5.0	1: 7	7: 9	14: 5	27: 17	58: 310		
28 OCT	3	4.0	13: 15	37: 10			4.0	7 NOV	3	5.0	14: 13	27: 281	28: 73				
29 OCT	3	4.0	1: 3	2: 2	5: 8	7: 30	14: 60	7 NOV	3	5.0	2: 4	7: 1	13: 22	14: 105	20: 15	27: 6	
29 OCT	3	5.0	27: 320	28: 60							28: 90						
29 OCT	3	5.0	5: 8	7: 15	14: 120	27: 200	28: 30	8 NOV	3	5.0	1: 1	4: 4	6: 15	14: 2	27: 50	28: 60	
29 OCT	3	6.0	1: 4	27: 35	58: 92	19: 3	20: 10	8 NOV	3	5.5	1: 3	7: 14	14: 12	27: 74	58: 253		
30 OCT	3	5.0	2: 1	14: 75	15: 8	19: 3	20: 10	27: 90	9 NOV	3	5.0	1: 5	7: 18	14: 7	27: 86	58: 226	
30 OCT	3	5.0	1: 1	2: 2	5: 15	6: 3	11: 5	14: 45	9 NOV	3	5.0	11: 10	14: 30	27: 160	28: 150		
30 OCT	3	4.0	1: 2	14: 4	27: 50	20: 6	27: 600	28: 60	10 NOV	3	5.0	1: 2	2: 4	5: 8	14: 41	16: 1	27: 326
			28: 150								28: 450						
1 NOV	3	5.0	1: 1	2: 3	14: 70	27: 200	28: 20	11 NOV	2	5.0	1: 4	12: 2	14: 25	19: 1	27: 50	28: 275	
3 NOV	3	5.0	1: 1	12: 2	13: 5	27: 25	28: 150	12 NOV	3	4.0	1: 19	3: 2	4: 2	5: 3	14: 3	27: 200	
3 NOV	3	1.0	2: 1	14: 20	27: 10	28: 3		12 NOV	3	5.0	28: 300						
4 NOV	3	5.0	2: 2	5: 1	11: 1	14: 100	19: 1	27: 75	12 NOV	3	5.0	1: 4	2: 10	5: 6	14: 28	27: 85	28: 210
			28: 30								1: 8	4: 4	5: 5	7: 10	11: 2	14: 30	
4 NOV	3	5.0	1: 1	2: 3	14: 165	27: 40	28: 15	12 NOV	3	5.5	20: 10	27: 175	28: 200	1: 9	7: 6	14: 2	
4 NOV	3	6.0	4: 18	7: 1	14: 9	27: 61	28: 45	13 NOV	3	5.0	27: 106	58: 210		1: 4	2: 1	3: 1	
5 NOV	3	5.5	1: 6	2: 1	14: 10	27: 26	58: 86				4: 2	5: 6	7: 10	11: 2	14: 50	19: 1	
5 NOV	3	2.0	14: 3	27: 32	28: 32	14: 120	19: 4	27: 50	13 NOV	3	4.0	20: 15	27: 225	28: 95			
5 NOV	3	5.0	2: 5	7: 3	13: 8	14: 120	19: 4	27: 50	13 NOV	3	4.0	1: 11	3: 2	5: 6	8: 1	12: 1	19: 2
			28: 20								27: 100	28: 400					
5 NOV	3	5.0	1: 2	4: 1	14: 22	27: 50	28: 200	84: 1	14 NOV	3	4.0	1: 8	2: 3	3: 1	5: 6	11: 2	14: 40
5 NOV	3	5.0	2: 5	3: 1	14: 175	19: 2	20: 8	27: 3	16 NOV	3	5.0	20: 10	27: 325	28: 440			
6 NOV	3	5.0	1: 7	2: 2	7: 15	8: 1	14: 10	20: 5			1: 5	2: 3	11: 1	14: 20	19: 1	20: 10	
			27: 150	28: 65							27: 30	28: 115					
6 NOV	2	5.0	1: 2	2: 1	14: 40	27: 10	28: 4	16 NOV	3	5.5	1: 5	14: 2	27: 65	58: 340			
											1: 2	2: 2	3: 1				

APPENDIX TABLE 26 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —							
			4:	4	5:	30	11:	6	4	DEC	3	4.0	1:	24	2:	1	3:	1
17 NOV	3	5.0+	12:	1	14:	30	19:	1				6:	6	7:	12	11:	2	
			20:	18	27:215	28:300						12:	1	14:	10	27:	85	
17 NOV	3	5.0	1:	1	2:	1	5:	15				28:	90					
			11:	2	14:	35	20:	12	4	DEC	3	4.0	1:	47	4:	2	14:	15
			27:150	28:350								17:	1	20:	2	27:	85	
18 NOV	3	4.0	1:	7	3:	30	4:	1				28:125						
			5:	6	14:	4	27:	50	5	DEC	3	5.0	1:	24	6:	1	14:	20
			28:450									27:120	28:120					
18 NOV	3	5.0	1:	3	2:	4	3:	12				27:10	28:400					
			11:	5	14:	50	20:	25	5	DEC	2	4.0	4:	8	5:	3	14:	5
			27:175	28:275								27:	25	28:500				
19 NOV	3	5.0	3:	1	4:	1	5:	4				1:	28	4:	1	5:	12	
			27:	20	28:125				9	DEC	3	4.0	27:	25	28:500			
21 NOV	3	5.0	1:	2	3:	1	7:	3				1:	28	4:	1	6:	1	
			14:	20	27:	90	28:	440	9	DEC	3	5.0	14:	40	17:	1	27:190	
26 NOV	3	4.0	14:	15	27:	75	28:	125				28:385						
26 NOV	3	5.0	1:	4	3:	1	4:	1				20:	10	27:110	28:250			
			7:	12	11:	1	14:	25	10	DEC	3	5.0	7:	15	13:	1	14:	85
			20:	6	27:	95	28:	175				20:	15	27:220	28:250			
26 NOV	3	5.0	14:	2	20:	3	27:	42				1:	20	6:	1	14:	5	
			58:280						10	DEC	3	5.0	20:	5	27:425	28:100		
27 NOV	3	5.5	3:	2	4:	4	5:	4				3:	2	4:	5	5:	15	
			6:	1	7:	10	14:	6				8:	1	12:	1	14:	22	
			16:	1	27:	67	58:	324				27:100	28:150	84:	1			
29 NOV	3	5.5	3:	8	5:	17	7:	5				4:	18	5:	6	6:	1	
			14:	3	27:	49	58:	486	15	DEC	3	6.0	14:	2	27:200	28:250		
30 NOV	3	5.5	3:	12	4:	10	5:	26				1:	2	3:	4	4:	7	
			7:	9	14:	1	27:	21	15	DEC	3	6.0	5:	24	7:	5	20:	6
			58:378									27:	45	58:321				
30 NOV	3	4.0	4:	14	5:	8	27:	25				1:	1	3:	5	4:	6	
			28:350						16	DEC	3	6.0	5:	12	7:	10	27:	15
2 DEC	3	5.0	1:	6	3:	4	5:	9				58:302						
			7:	8	14:	2	27:	10	18	DEC	3	5.0	4:	5	5:	9	7:	6
			58:420									20:	2	58:364				
3 DEC	3	5.0	1:	7	3:	2	5:	21				4:	12	5:	14	7:	2	
			7:	6	14:	5	27:	41	19	DEC	3	5.0	20:	6	58:410			
			58:355															
3 DEC	2	3.0	1:	2	3:	2	4:	31										
			5:	12	28:600													
3 DEC	3	5.0	1:	6	3:	12	11:	8										
			14:	30	20:	4	27:	150	28:650									
3 DEC	3	6.0	1:	2	2:	1	3:	1										
			6:	4	7:	15	11:	3										
			12:	2	14:	18	20:	2	27:250	28:350								

APPENDIX TABLE 27. LOGGED 1983 TROLLING CATCH AND EFFORT FROM NORTH TEXAS

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —			
			1:	2:	3:	4:				5:	6:	7:	8:
30 APR	3	2.0	1: 1				26 JUN	3	7.0	1: 5			
7 MAY	6	3.0					29 JUN	3	1.0				
22 MAY	2	2.0					30 JUN	3	6.5	1: 1	6: 1		
28 MAY	2	1.0					8 JUL	3	5.5	1: 1			
28 MAY	3	4.5	1: 16	2: 1	5: 11		9 JUL	3	4.5	1: 35	2: 1	11: 1	
			13: 1	22: 1	24: 2					13: 2			
28 MAY	3	2.0	3: 2	13: 15			10 JUL	3	6.0	1: 39			
29 MAY	3	2.0	2: 1	6: 2	24: 34		10 JUL	3	7.0	1: 24	8: 2		
29 MAY	2	10.0	1: 17	2: 7	3: 1		11 JUL	3	2.5	2: 1	6: 2	13: 31	
			5: 1	24: 50	61: 1		11 JUL	3	7.0	1: 6			
29 MAY	3	7.0	1: 12	2: 2	5: 2		16 JUL	3	4.0	6: 2	14: 3		
			6: 1	8: 3	12: 4		19 JUL	3	3.0	1: 42	2: 3		
			24: 6				19 JUL	3	3.0	1: 9	2: 2	3: 1	
3 JUN	2	8.0	1: 12	6: 5			20 JUL	3	4.0	1: 4	7: 2	13: 8	
4 JUN	2	10.0	1: 7	2: 1	6: 2		20 JUL	3	2.5	1: 39	2: 1		
5 JUN	2	8.0	1: 4	2: 2	3: 1		22 JUL	3	3.0	1: 9	6: 18	7: 27	
			6: 2				23 JUL	3	5.0	1: 10	3: 3	6: 5	
8 JUN	3	2.0	1: 3	13: 2						12: 2	13: 1	24: 6	
10 JUN	2	2.0	1: 5	2: 1	23: 3					36: 5			
10 JUN	2	6.0	1: 8	3: 1			23 JUL	3	6.0	1: 6	14: 14		
11 JUN	2	10.0	1: 24	3: 2	6: 7		24 JUL	3	2.0	6: 3			
11 JUN	2	3.0	1: 10	3: 1			24 JUL	3	2.0	1: 1	8: 2		
11 JUN	3	2.0	1: 31	24: 1			25 JUL	3	6.0	1: 5	2: 4	6: 12	
14 JUN	2	1.0	24: 8				26 JUL	3	2.0	1: 1	6: 26	12: 4	
15 JUN	3	2.5	8: 6	11: 1	13: 27		26 JUL	3	4.0	1: 6	2: 1		
16 JUN	3	6.0	1: 22	6: 1	24: 17		28 JUL	3	5.0	1: 28	2: 1	3: 1	
17 JUN	3	6.5	1: 27	6: 30	12: 1					6: 25	24: 3		
18 JUN	3	7.0	1: 23	2: 2	6: 11		29 JUL	3	3.0	1: 4	3: 3	6: 8	
			24: 31							13: 2			
18 JUN	3	6.0	1: 43	6: 3	7: 11		29 JUL	3	3.0	6: 28			
			36: 40				30 JUL	3	3.0	1: 17	6: 11		
18 JUN	2	10.0	1: 17	2: 2	3: 6		30 JUL	2	0.5	3: 4			
			5: 1	6: 4	10: 1		30 JUL	2	8.0	1: 1	2: 1	6: 40	
			13: 1	24: 1						14: 1			
20 JUN	3	9.0	1: 2				30 JUL	3	4.0	1: 20	3: 4	6: 16	
21 JUN	3	3.0	13: 19	22: 1	24: 18					13: 4			
21 JUN	3	2.0	1: 6	13: 1			31 JUL	3	1.0	1: 2			
22 JUN	3	6.0	1: 10	6: 3	12: 1		3 AUG	3	6.5	1: 18	6: 23		
			13: 1	24: 2	36: 2		4 AUG	3	6.5	1: 14	6: 6		
24 JUN	3	5.0	1: 29	6: 11			5 AUG	3	6.0	1: 15	2: 1	3: 4	
24 JUN	3	3.0	8: 9	11: 4	13: 22					6: 1	12: 8	24: 4	
			23: 1				6 AUG	2	9.0	1: 9	3: 4	6: 23	
25 JUN	3	6.0	1: 33	2: 1	6: 9					12: 3	24: 261	87: 1	
25 JUN	3	3.0	11: 5	13: 14	23: 2		6 AUG	3	3.0	1: 35	2: 1	3: 5	
			24: 42							5: 1	6: 7	12: 2	
25 JUN	3	4.0	1: 9	2: 1	5: 18		6 AUG	3	7.0	36: 1			
			7: 10	8: 17						1: 5	6: 3	39: 1	

APPENDIX TABLE 27 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --				DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			
7 AUG	3	5.0	1: 13	3: 1	6: 1		25 SEP	3	4.0+	12: 1			
			24: 2				30 SEP	3	4.0	1: 1	3: 4	6: 2	
7 AUG	3	4.0	1: 4	2: 2	6: 30					12: 2	20: 1		
			12: 5				1 OCT	3	4.0	2: 1	6: 5	13: 4	
7 AUG	2	7.0	1: 5	3: 6	5: 1					23: 6			
			6: 8	12: 2	14: 2		6 OCT	3	2.0	1: 1	3: 3	8: 1	
			24: 120	39: 1			8 OCT	3	2.0	2: 2	3: 2	13: 1	
7 AUG	3	3.0	1: 6	8: 3			9 OCT	3	2.0	2: 2	3: 1		
8 AUG	3	6.0	1: 24				15 OCT	3	1.0	8: 1	19: 2		
9 AUG	3	5.0	1: 31	2: 1	3: 25		16 OCT	3	2.0	1: 1	3: 1	8: 2	
			12: 6							13: 1			
10 AUG	3	5.5	1: 21	2: 2			22 OCT	3	1.0	2: 1			
11 AUG	2	8.0	1: 15	2: 4	3: 10		5 NOV	3	2.0	3: 2			
			6: 16	12: 4	24: 30								
12 AUG	2	8.0	1: 6	3: 5	6: 7								
			12: 3	24: 3									
12 AUG	3	3.0	1: 3	2: 1	6: 8								
13 AUG	6	4.0	1: 4	2: 1	3: 6								
			6: 15	12: 2	24: 6								
13 AUG	3	3.0	1: 9	2: 1									
13 AUG	2	10.0	1: 30	3: 6	6: 1								
			24: 4										
13 AUG	3	4.0	1: 16	2: 1	3: 28								
			6: 13	12: 2	29: 6								
			36: 4										
14 AUG	3	3.0	1: 15	3: 2	8: 1								
			36: 15										
14 AUG	2	9.0	1: 21	3: 6	24: 5								
14 AUG	3	6.5	1: 7										
14 AUG	3	4.5	1: 8	3: 2	6: 10								
			24: 3										
16 AUG	2	3.5	2: 2	3: 14	24: 25								
16 AUG	3	6.0	1: 21	39: 1									
3 SEP	2	3.0	1: 7	3: 4									
4 SEP	3	2.0	1: 2	36: 6									
4 SEP	2	4.0	1: 3										
10 SEP	2	4.0	1: 5	3: 2	6: 1								
11 SEP	2	8.0	1: 11	3: 8	6: 6								
11 SEP	3	2.0	3: 1	6: 5									
13 SEP	2	10.0	1: 9	3: 21	6: 4								
			24: 2										
16 SEP	3	1.0	1: 2	2: 1	8: 5								
17 SEP	2	1.0											
17 SEP	3	2.0	8: 11	12: 2									
18 SEP	3	4.0	8: 17										
24 SEP	3	6.0	1: 7	24: 2	36: 5								
25 SEP	3	4.0	1: 3	2: 1	6: 4								

APPENDIX TABLE 28. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM NORTH TEXAS

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
			5:	1	14:	50	19:	1				1:	3	5:	1	13:	1
4 APR	2	8.0	58:	60					19 JUN	2	8.0	24:	1				
10 APR	3	6.0	14:	70	20:	4			21 JUN	3	0.5	8:	2	14:	22	29:	2
10 APR	3	5.0	14:	32	20:	12	36:	8				36:	1				
16 APR	3	3.0	14:	55	20:	6			21 JUN	3	3.0	5:	2	8:	6	14:	21
16 APR	3	7.0	13:	16	14:	1	58:	4				20:	5	36:	3		
23 APR	2	0.5	4:	1	28:	2			22 JUN	3	1.0	14:	14				
30 APR	3	4.0	12:	1	14:	59	20:	12	24 JUN	3	0.5	14:	2				
			28:	22					24 JUN	1	3.0	31:	22				
30 APR	3	5.5	14:	32					25 JUN	2	8.0	1:	98	2:	7	3:	10
1 MAY	3	6.0	14:	33	20:	5						6:	3	14:	9	19:	1
6 MAY	3	6.0	1:	2	14:	20	20:	1	25 JUN	3	2.5	14:	13	16:	1	19:	2
7 MAY	3	5.5	3:	1	12:	3	13:	1	25 JUN	3	0.5	14:	1				
			14:	50					26 JUN	3	4.0	1:	1	3:	2	6:	6
13 MAY	2	3.0	14:	6	19:	2	36:	1				14:	21	20:	6	24:	3
14 MAY	3	1.0	13:	1	14:	30	20:	1	26 JUN	2	4.0	1:	3	6:	3		
			43:	5					30 JUN	2	3.0	2:	1	7:	4	14:150	
22 MAY	2	6.0	2:	42	6:	3	14:	10				36:	2				
			58:	22					1 JUL	1	4.0	31:	21	58:	20		
23 MAY	3	6.0	14:	40					2 JUL	1	8.0	31:	5	58:	60		
28 MAY	3	7.0	14:	15					2 JUL	2	3.5	7:	2	14:	70	36:	3
28 MAY	3	2.5	2:	1	14:	51	20:	4	3 JUL	2	4.0	1:	3	6:	5	14:	26
28 MAY	3	3.0	14:	15	20:	6	36:	6	4 JUL	2	8.0	6:	5	14:	30		
			107:	8					5 JUL	2	8.0	6:	8	14:	13		
28 MAY	2	8.0	1:	7	2:	15	6:	20	7 JUL	3	6.0	1:	1	5:	1	13:	9
			13:	1								14:	1	27:	2		
29 MAY	3	1.0	14:	19					9 JUL	3	6.0	1:	4	6:	1	14:	11
29 MAY	3	6.0	2:	1	14:	37	20:	3				20:	3	36:	2		
29 MAY	3	1.5	14:	15					9 JUL	3	8.0	1:	1	2:	1	14:	54
4 JUN	3	7.0	14:	25	36:	3			10 JUL	3	8.0	1:	1	2:	2	14:	50
4 JUN	3	6.5	5:	15	14:	55	19:	1	17 JUL	2	8.0	2:	2	14:	32		
			20:	12	22:	2			17 JUL	3	5.0	1:	1	2:	1	6:	2
5 JUN	3	6.0	1:	2	2:	3	3:	1				13:	1	14:	1	24:	11
			5:	11	6:	7	36:	5	19 JUL	3	4.0	6:	2	7:	6	12:	2
8 JUN	3	4.0	14:	17								13:	1	14:	23	19:	2
10 JUN	3	2.0	7:	1	13:	1	14:	28				36:	6				
			20:	5					19 JUL	2	2.0	2:	15	5:	1	14:	42
11 JUN	3	6.0	1:	1	2:	2	5:	26				36:	2				
			11:	1	14:	151	20:	12	19 JUL	2	8.0	2:	2	14:	78		
11 JUN	3	4.0	14:	6	19:	1			20 JUL	3	2.0	14:	17	20:	1	36:	5
14 JUN	2	1.5	1:	6	2:	2	14:	18	21 JUL	2	8.0	1:	3	2:	3	6:	4
16 JUN	1	4.0	28:	10	31:	30						14:	70	24:	4		
17 JUN	1	4.0	28:	27	31:	39			22 JUL	2	8.0	1:	20	2:	2	3:	4
17 JUN	6	1.0	14:	42	36:	2						6:	6	10:	1	14:	6
18 JUN	3	1.0	14:	8	20:	1						24:	5				
19 JUN	3	6.5	1:	2	5:	5	14:	11	22 JUL	3	3.0	14:	22	19:	1	20:	1
			36:	40					23 JUL	3	1.0	14:	8				

APPENDIX TABLE 28 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			1:	3:	8:	5:	14:				1:	1:	2:	1:	14:		
23 JUL	2	8.0	1:	3	8:	5		5 SEP	3	7.0	1:	1	2:	1	14:	27	
24 JUL	3	3.5	1:	1	13:	2	14:	21	10 SEP	3	3.5	2:	1	14:	30	20:	2
			19:	1	99:	1					36:	10					
24 JUL	3	4.0	36:	3	54:	1		10 SEP	2	2.0	1:	1	2:	1	10:	1	
25 JUL	2	3.0	2:	1	13:	1	14:	41				14:	48				
26 JUL	2	0.5	14:	6				11 SEP	3	4.0	5:	14	14:	32			
26 JUL	3	1.5	14:	23	85:	1		16 SEP	3	4.0	5:	5	14:	53	19:	1	
27 JUL	2	8.0	2:	4	6:	20					36:	3					
28 JUL	3	1.0	14:	7	54:	5		17 SEP	3	2.0	5:	7	14:	21	58:	4	
29 JUL	3	4.0	5:	6	14:	19	36:	7	18 SEP	3	4.0	4:	52	5:	70	19:	1
29 JUL	3	3.0	13:	2	14:	28		23 SEP	3	4.5	14:	67	20:	2			
29 JUL	1	4.0	31:	43				24 SEP	3	6.0	5:	6	14:	64	20:	15	
30 JUL	3	2.0	14:	5	36:	3		25 SEP	3	5.0	5:	12	14:	67			
30 JUL	3	3.5	14:	16				30 SEP	2	4.0	2:	5	5:	1	7:	2	
30 JUL	2	1.0	15:	20							12:	1	14:	60	19:	1	
31 JUL	2	8.0	1:	1	2:	2	3:	1	30 SEP	3	3.0	5:	23	14:	72		
			6:	30				1 OCT	2	4.0	2:	6	3:	1	7:	1	
3 AUG	2	8.0	1:	3	6:	31	12:	2			14:	71	19:	2			
			14:	16				1 OCT	3	4.0	5:	2	12:	1	14:	21	
6 AUG	3	2.0	14:	48	84:	1		6 OCT	3	4.0	5:	18	14:	47			
7 AUG	3	2.0	14:	19				8 OCT	2	3.0	14:	31	20:	4	28:	20	
7 AUG	3	3.0	13:	7	14:	15		8 OCT	3	4.0	5:	3	14:	83	36:	2	
9 AUG	3	1.0	14:	2	36:	8		9 OCT	3	3.5	2:	2	7:	1	11:	1	
12 AUG	2	1.0	5:	1							13:	5	14:	3	57:	4	
13 AUG	3	2.0	5:	30	20:	4		9 OCT	3	4.0	12:	1	13:	2	14:	52	
13 AUG	3	3.0	5:	2	14:	18					20:	4					
14 AUG	3	3.0	5:	57	14:	3	19:	1	10 OCT	2	1.5	14:	10	20:	2		
			20:	14	43:	1		15 OCT	3	6.0	5:	10	14:	123	20:	7	
21 AUG	3	5.5	14:	28							36:	1					
23 AUG	2	8.0	1:	11	2:	4	14:	75	15 OCT	3	3.0	14:	46	20:	3		
24 AUG	3	6.0	14:	47				16 OCT	3	4.0	5:	20	14:	61	28:	15	
27 AUG	3	3.5	2:	1	13:	1	14:	175			36:	3					
			20:	2				21 OCT	3	6.0	4:	1	5:	6	14:	43	
27 AUG	3	4.5	14:	13							20:	4	28:	2	36:	2	
2 SEP	2	10.0	1:	4	2:	2	3:	6	22 OCT	3	5.0	14:	77	28:	14	36:	7
			4:	2	5:	1	6:	21	29 OCT	3	6.0	4:	6	5:	3	14:	117
			12:	2	14:	20					20:	12	28:	9			
3 SEP	2	6.0	5:	4	6:	2	13:	1	29 OCT	3	5.0	2:	1	14:	70		
			14:	19	20:	2		3 NOV	2	4.0	2:	4	7:	2	13:	1	
3 SEP	3	6.0	1:	5	14:	25					14:	30	20:	4			
4 SEP	3	6.5	1:	5	2:	1	6:	1	5 NOV	3	4.0	4:	1	12:	1	14:	47
			14:	21							36:	4					
4 SEP	3	4.0	3:	1	6:	13	7:	6	6 NOV	2	4.0	2:	1	14:	25	20:	4
			13:	2	14:	145	20:	12	8 NOV	3	5.5	1:	1	14:	109		
4 SEP	2	5.0	4:	3	5:	5	6:	1	12 NOV	3	6.0	5:	23	13:	2	14:	97
			13:	1	14:	65	20:	3	12 NOV	3	6.0	20:	1				
			93:	1							14:	123	19:	1	20:	2	

APPENDIX TABLE 28 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —			
17 NOV	3	3.5	14:	45	58:	21							
25 NOV	3	4.0	14:	51	19:	1	20:	2					
3 DEC	2	2.5	5:	9	14:	61	36:	3					
8 DEC	3	5.0	14:	85	20:	4							
15 DEC	3	5.5	2:	1	13:	2	14:	70					
			118:	4									

APPENDIX TABLE 29. LOGGED 1983 TROLLING CATCH AND EFFORT FROM SOUTH TEXAS

DATE	ZONE	FISHED	HOURS				DATE	ZONE	FISHED	HOURS			
			-- CATCH PER SPECIES --							-- CATCH PER SPECIES --			
6 APR	3	4.5	6:	3	12:	2	21 MAY	2	5.0	12:	3		
8 APR	3	4.5	6:	1	12:	2	21 MAY	3	4.0	6:	7	11:	4
9 APR	3	4.5	6:	6			21 MAY	2	1.5	12:	4		
10 APR	3	8.0	21:	1	22:	1	22 MAY	6	4.5	7:	2	12:	3
13 APR	3	4.5	6:	1	12:	2	22 MAY	6	10.0	1:	2	7:	2
15 APR	3	4.5	12:	4						12:	12		
16 APR	3	6.5					22 MAY	3	4.0	1:	1	6:	10
20 APR	3	4.5	1:	2	24:	1	22 MAY	2	4.0	12:	6		
21 APR	3	3.0	6:	2			22 MAY	3	4.5	1:	2	6:	2
23 APR	3	4.5	6:	4	12:	2	24 MAY	3	9.0	1:	6	6:	4
24 APR	3	10.0	21:	2	23:	1	24 MAY	3	4.5	1:	1	6:	7
24 APR	3	0.5					25 MAY	3				12:	6
26 APR	3	4.5	6:	3	12:	1	26 MAY	2	3.0	8:	3	12:	8
27 APR	3	4.5	1:	4	6:	3	26 MAY	2	5.0	2:	8	12:	2
28 APR	3	4.5	6:	12	12:	3	27 MAY	6	8.0	1:	1	2:	1
30 APR	3	4.5	1:	6	6:	1	27 MAY	3	10.0	3:	1	21:	2
30 APR	3	4.0	6:	35	8:	3				23:	2	24:	1
1 MAY	3	8.0	1:	2	12:	4	24:	2	6.0	12:	6		
			113:	1			27 MAY	2	11.0	3:	2	21:	3
3 MAY	3	4.5	1:	5	6:	2	24:	2		23:	4		
4 MAY	3	5.0	1:	1	6:	1	28 MAY	3	10.0	22:	2	23:	1
4 MAY	3	4.0	1:	1	6:	12	12:	5	29 MAY	3	10.0	22:	2
4 MAY	3	5.0	1:	1	8:	1	29 MAY	3	8.0	8:	4	12:	2
5 MAY	3	4.0	1:	2	6:	18	12:	7		23:	4		
5 MAY	1	4.5	58:	19			29 MAY	2	8.0	1:	2	12:	3
6 MAY	1	4.5	9:	9	34:	3	58:	28	29 MAY	3	9.0	21:	2
			70:	8						22:	2	23:	1
7 MAY	3	10.0	1:	8	6:	7	12:	3	29 MAY	2	3.0	12:	1
7 MAY	6	10.0	1:	8	8:	2	24:	1	30 MAY	3	4.5	6:	2
7 MAY	3	9.0	1:	14	2:	2			30 MAY	3	6.0	5:	1
8 MAY	3	4.5	1:	4	12:	1	24:	4	30 MAY	2	4.0	8:	10
9 MAY	2	4.0	8:	1	12:	2			30 MAY	3	4.0	6:	3
10 MAY	3	8.0	1:	6	2:	1	12:	4	31 MAY	3	8.0	11:	10
			24:	2					31 MAY	2	4.0	1:	1
11 MAY	3	5.0	1:	2	12:	2			31 MAY	2	4.5	1:	2
12 MAY	3	4.5	1:	4	6:	4			1 JUN	2	2.0		
14 MAY	3	9.0	21:	2	23:	4			1 JUN	2	7.0	1:	7
14 MAY	3	4.0	8:	7					2 JUN	3	4.5	1:	6
14 MAY	3	4.0	6:	10	12:	3					12:	1	
15 MAY	3	4.0	6:	15	12:	5			2 JUN	2	8.0	1:	4
15 MAY	3	4.5	1:	2	6:	6	12:	1	3 JUN	2	8.0	1:	5
16 MAY	3	5.0	1:	4	6:	2			3 JUN	2	5.0	1:	7
16 MAY	3	4.0	6:	10	12:	3			3 JUN	3	4.5	1:	2
17 MAY	2	6.0	12:	14	104:	1					12:	2	
18 MAY	3	4.5	1:	1	6:	1			4 JUN	3	11.0	6:	2
20 MAY	2	6.0	12:	5							24:	1	
20 MAY	3	8.0	1:	2	6:	2	12:	6	4 JUN	2	2.0	2:	1
										12:	1		

APPENDIX TABLE 29 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					
4 JUN	2	5.0	1:	9	8:	3	12:	1	16 JUN	3	4.0	1:	4	6:	3		
4 JUN	2	8.0	1:	3	6:	2	12:	7	16 JUN	2	6.0	1:	7	12:	5		
			36:	4					17 JUN	3	9.0	21:	2	24:	1	68:	4
4 JUN	6	10.0	1:	1	8:	18	12:	6	17 JUN	3	5.0	1:	15	12:	2	56:	3
5 JUN	2	7.0	1:	2					18 JUN	6	5.0	1:	18	24:	38		
5 JUN	3	11.0	21:	1	22:	4	23:	1	18 JUN	2	8.5	1:	26	12:	3	36:	4
			24:	2					18 JUN	3	10.5	22:	3	23:	1	24:	1
6 JUN	3	4.5	1:	2	6:	12			18 JUN	2	6.0	1:	5	8:	8		
7 JUN	3	4.5	1:	2	6:	4	12:	3	19 JUN	3	10.0	21:	2	22:	2	24:	4
7 JUN	3	4.0	1:	5	12:	10						68:	3				
8 JUN	2	4.0	1:	1	8:	6	12:	2	19 JUN	2	6.0	1:	3	8:	8	12:	5
8 JUN	3	4.0	1:	2	6:	4	12:	6	19 JUN	2	7.5	1:	1	12:	1	36:	2
8 JUN	3	10.0	21:	2	22:	2	68:	4	19 JUN	3	10.0	68:	3				
8 JUN	2	5.0	1:	3	12:	1	29:	1	19 JUN	2	8.0	1:	5				
			61:	1					20 JUN	6	4.5	1:	3	12:	1	29:	2
8 JUN	2	7.0	1:	3	12:	12						56:	6				
9 JUN	2	5.0	12:	2	14:	1	29:	2	20 JUN	3	9.0	21:	1	22:	2	23:	1
			110:	1								68:	2				
9 JUN	2	7.0	1:	6	3:	1	8:	2	22 JUN	3	4.5	1:	2	6:	8		
			12:	2	29:	2			22 JUN	2	7.0	1:	5	12:	2		
9 JUN	2	4.0	1:	2	12:	2			23 JUN	3	4.5	1:	5	6:	4		
9 JUN	3	2.0	12:	6					23 JUN	2	6.0	1:	6	12:	5		
9 JUN	2	7.0	1:	3	6:	1	12:	1	24 JUN	3	10.0	21:	5	22:	1	24:	1
10 JUN	2	8.0	1:	2	6:	4	12:	2	24 JUN	6	5.0	2:	3	12:	1	61:	1
10 JUN	2	6.0	1:	9	12:	7	29:	2				63:	1				
			56:	1	104:	1			25 JUN	3	4.5	1:	1	12:	1	24:	1
10 JUN	2	7.0	1:	6	6:	1	12:	2				29:	1	56:	2	61:	1
11 JUN	2	4.5	1:	1	12:	5			25 JUN	2	7.0	1:	4	3:	1	8:	2
11 JUN	2	7.0	12:	1	29:	2						12:	2				
11 JUN	3	10.0	21:	2	23:	1	68:	1	25 JUN	3	7.0	21:	1	39:	1		
11 JUN	2	7.0	12:	1	29:	6			26 JUN	3	9.0	1:	1	6:	4	21:	2
11 JUN	2	8.0	1:	3	12:	2						23:	2				
12 JUN	2	7.0	1:	3	3:	1	8:	1	26 JUN	3	4.5	1:	3	3:	1	56:	4
			104:	3								61:	1				
12 JUN	2	6.0	1:	9	12:	5			27 JUN	3	4.5	1:	4	6:	1		
12 JUN	3	9.0	21:	4	23:	1	24:	2	28 JUN	2	6.0	1:	5	3:	3	12:	2
			68:	2					28 JUN	6	4.5	12:	1				
12 JUN	2	1.0							29 JUN	6	4.5	29:	2				
13 JUN	3	8.5	22:	3	39:	2			29 JUN	3	10.0	21:	3	23:	2	24:	2
14 JUN	6	5.0	1:	8	12:	1	29:	1	29 JUN	2	7.0	1:	6	3:	3	8:	2
14 JUN	3	4.5	1:	4	2:	1	6:	2	30 JUN	3	4.5	1:	2	6:	5	12:	3
			23:	1					2 JUL	3	9.0	21:	3	22:	1	24:	1
15 JUN	2	6.0	1:	5	12:	6						39:	1				
15 JUN	3	4.5	1:	2	6:	4			2 JUL	2	6.0	1:	4	3:	2	8:	2
15 JUN	6	5.0	1:	1	8:	1	12:	8	2 JUL	2	7.0	1:	6	12:	4		
			14:	7	29:	2	56:	1	3 JUL	6	4.5	1:	1	56:	5		
15 JUN	3	4.0	1:	5	6:	2			3 JUL	3	10.0	21:	2	22:	1	23:	3

APPENDIX TABLE 29 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
			24: 4	1: 6	3: 3	12: 3	24: 6				1: 2	3: 5	8: 2	12: 2	24: 2	1: 2
3 JUL	3	10.0+	24: 4					16 JUL	3	11.0	6: 2	21: 4	23: 1			
3 JUL	2	6.0	1: 6	3: 3	12: 3						24: 2					
3 JUL	2	3.0	1: 2	6: 5				16 JUL	3	5.0	1: 2					
4 JUL	2	7.0	1: 5	3: 5	8: 2			17 JUL	2	7.0	1: 6	3: 1	6: 2			
			12: 2					17 JUL	3	11.5	2: 1	21: 5	22: 2			
5 JUL	3	9.0	21: 1	22: 4	24: 6						24: 1					
			38: 1					17 JUL	3	4.5	12: 3					
6 JUL	2	7.0	1: 8	3: 2	12: 2			18 JUL	3	4.5	1: 1	12: 3				
6 JUL	3	6.0	22: 2	23: 4				19 JUL	3	5.0	1: 4	3: 1	6: 4			
6 JUL	6	5.0	1: 8	2: 2	3: 1						12: 2					
			8: 1					19 JUL	2	8.0	1: 17	3: 2	12: 1			
6 JUL	2	7.5	1: 12	12: 5	36: 3			19 JUL	2	5.0	1: 4	24: 9				
6 JUL	3	10.0	14: 1	24: 30				20 JUL	2	8.0	1: 5	12: 1	24: 12			
7 JUL	2	7.0	1: 15	2: 1	12: 8			20 JUL	3	4.5	1: 2	3: 3	6: 6			
7 JUL	2	7.0	1: 9	3: 1	8: 3						24: 1					
			12: 1					20 JUL	2	8.0	1: 5	12: 6				
8 JUL	2	6.0	1: 6	3: 3	12: 3			20 JUL	3	4.5	1: 3	7: 1	8: 2			
8 JUL	2	7.0	1: 7	12: 4							12: 1	14: 1	72: 1			
8 JUL	3	5.0	1: 6	29: 1	56: 1			21 JUL	3	4.5	1: 2	8: 1				
8 JUL	2	7.0	1: 3	6: 3				21 JUL	2	6.0	1: 4	3: 3	8: 4			
8 JUL	3	11.5	21: 2	22: 1	23: 5			21 JUL	3	5.0	1: 1	6: 7	12: 2			
			38: 1					22 JUL	3	4.5	1: 12	24: 4				
9 JUL	3	11.5	6: 5	23: 4				22 JUL	2	7.0	1: 4	3: 3	24: 2			
9 JUL	2	6.0	1: 1	6: 4				22 JUL	3	18.0	21: 2	22: 1	23: 2			
9 JUL	6	4.5	1: 9	12: 4	14: 1						33: 1	39: 1				
			43: 1					22 JUL	3	5.0	3: 1	8: 4	23: 2			
9 JUL	2	7.0	1: 8	3: 1	12: 2			23 JUL	3	10.0	22: 2	23: 2	55: 1			
9 JUL	3	11.0	21: 5	22: 1	23: 3			23 JUL	2	8.0	1: 5	3: 1				
			24: 2					23 JUL	3	5.0	1: 8	8: 1	12: 3			
10 JUL	3	10.0	1: 6	2: 1	6: 13			23 JUL	2	7.0	1: 9	12: 3	36: 4			
			12: 2					23 JUL	3	9.5	21: 4	22: 3	24: 4			
10 JUL	2	7.0	1: 7	12: 2				23 JUL	2	6.0	1: 5	3: 4	8: 3			
10 JUL	6	4.5	1: 20	56: 1							24: 1					
10 JUL	2	8.0	1: 2	6: 1	104: 1			24 JUL	2	7.0	1: 6	3: 2	8: 2			
11 JUL	2	3.0	1: 1								24: 1					
11 JUL	6	4.5	1: 3	8: 1	24: 1			24 JUL	3	10.0	21: 4	22: 1	23: 1			
11 JUL	3	5.0	1: 2	6: 6	12: 3						24: 3	38: 1				
			24: 1					24 JUL	3	4.5	1: 9	14: 1	56: 2			
12 JUL	3	4.5	2: 2	12: 1	22: 1			24 JUL	2	8.0	1: 3	2: 1	12: 1			
			24: 4								24: 5					
13 JUL	3	9.0	21: 3	22: 2	23: 5			25 JUL	3	4.0	1: 4	6: 2				
			39: 1					25 JUL	3	4.5	1: 11	56: 3				
13 JUL	2	6.0	1: 2	3: 2	12: 2			25 JUL	3	11.0	21: 2	24: 4	55: 1			
13 JUL	2	2.0						26 JUL	3	5.0	1: 1	8: 9				
13 JUL	2	8.0	1: 4	3: 1	6: 3			27 JUL	3	4.5	1: 4	6: 2	10: 1			
14 JUL	3	5.0	8: 9	24: 2				27 JUL	2	6.0	1: 5	3: 2	8: 4			
15 JUL	3	4.5	1: 3	3: 2	6: 4			27 JUL	3	5.0	1: 18					

APPENDIX TABLE 29 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			1:	2:	3:	4:	5:				6:	7:	8:	9:	10:		
28 JUL	3	5.0	1:	22	2:	2		5 AUG	2	5.0	1:	14	3:	1	14:	1	
28 JUL	3	8.0	1:	6	2:	2	23:	2			29:	2					
				24:	2				5 AUG	3	10.0	1:	5	2:	1	8:	10
28 JUL	3	7.0	21:	2	22:	1	23:	4			22:	1					
				24:	1				6 AUG	3	14.0	21:	12	23:	3	39:	1
29 JUL	3	4.5	1:	3	6:	7	10:	2			55:	1					
29 JUL	2	6.5	1:	12	12:	5		6 AUG	2	8.0	1:	5	2:	1			
29 JUL	3	5.0	1:	15	7:	1	12:	1			8.0	1:	14	2:	2	12:	4
				56:	3				6 AUG	2	8.0	1:	14	8:	2	12:	1
30 JUL	2	7.0	1:	3	2:	2	12:	4			4.0	1:	6	2:	1	14:	2
30 JUL	6	4.5	1:	7	12:	1		6 AUG	3	10.5	22:	1	39:	1			
30 JUL	2	6.0	1:	8	8:	1			6 AUG	3	4.5	1:	2	3:	3	6:	6
30 JUL	3	10.0	21:	3	22:	1	24:	2			24:	2					
				55:	1				7 AUG	3	9.0	1:	11	2:	1	6:	4
30 JUL	3	10.0	21:	1	24:	1	55:	2			7.0	1:	11	12:	8		
30 JUL	2	8.0	1:	14	6:	1	24:	1			4.0	1:	4				
31 JUL	2	8.0	1:	7	2:	1	6:	2			8.0	1:	9				
31 JUL	3	4.5	1:	2	3:	4	6:	1			12.0	7:	1	21:	1	22:	1
31 JUL	2	6.0	1:	9	3:	1	36:	3			23:	9	24:	1	55:	1	
31 JUL	3	6.0	11:	2	23:	2		8 AUG	3	5.0	1:	16	8:	2	12:	6	
31 JUL	2	4.5	1:	16	8:	2	12:	1			35:	1					
31 JUL	2	8.0	1:	6				8 AUG	3	4.5	1:	5	24:	2			
1 AUG	6	4.5	1:	9	2:	1	12:	5			5.0	1:	3	2:	1	6:	6
1 AUG	2	8.0	1:	11	12:	5					23:	2					
1 AUG	2	6.0	1:	12	12:	1	24:	2			5.0	1:	3	8:	14		
				36:	7				10 AUG	2	8.0	1:	8				
2 AUG	2	6.0	1:	2	24:	2	36:	2			5.0	1:	19				
2 AUG	3	3.0	1:	4	12:	3	29:	1			8.0	1:	8	6:	2	36:	5
				56:	5				11 AUG	2	4.5	1:	14	2:	2	3:	1
2 AUG	3	4.0	1:	5	6:	2			11 AUG	3	9.0	1:	16	3:	2	6:	4
2 AUG	3	10.0	21:	3	22:	1	24:	2			23:	4					
				55:	1				11 AUG	3	10.0	11:	1	23:	4	24:	1
3 AUG	3	4.5	6:	4	23:	2	24:	2			39:	1					
3 AUG	2	7.0	1:	6	2:	1	3:	2			10.0	8:	4	21:	1	24:	1
3 AUG	3	4.5	1:	12	2:	1	12:	3			8.0	1:	9	104:	1		
				39:	1	56:	1			4.5	1:	3	2:	1	6:	6	
3 AUG	2	5.0	1:	7	8:	8					24:	2					
4 AUG	3	10.5	1:	1	23:	1			12 AUG	3	5.0	1:	19	3:	1		
4 AUG	2	8.0	1:	11	24:	1			13 AUG	2	8.0	1:	1				
4 AUG	2	7.0	1:	7	29:	1			13 AUG	3	4.5	1:	7	14:	1		
4 AUG	3	4.5	1:	6	56:	7			13 AUG	3	11.0	6:	1	11:	1	21:	4
4 AUG	3	10.5	21:	1	22:	1	24:	1			23:	1	24:	3			
				39:	1				13 AUG	2	8.0	1:	7	104:	1		
5 AUG	3	9.0	1:	4	6:	6	10:	1			10.0	1:	1	11:	2	55:	1
5 AUG	3	10.5	23:	2					14 AUG	3	8.0	21:	1	23:	2	55:	1
5 AUG	2	8.0	1:	2	3:	2	11:	2			10.0	1:	1	2:	1	21:	1
				12:	1						23:	2	24:	4			

APPENDIX TABLE 29 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				
14 AUG	3	5.0	1: 16	3: 12	12: 1			3 SEP	3	11.0	6: 2	21: 4	55: 1		
			56: 1					3 SEP	2	8.0	1: 15	2: 1			
15 AUG	3	4.5	1: 4	3: 2	6: 4	23: 1		4 SEP	3	11.0	21: 2	22: 1	23: 4		
										24: 2					
16 AUG	3	4.5	1: 2	2: 2	6: 6	23: 1	24: 2	4 SEP	3	4.5	1: 22	8: 2	12: 4		
										56: 1	78: 1				
16 AUG	6	3.0	1: 10					5 SEP	3	6.0	1: 10	3: 2	24: 3		
19 AUG	3	5.0	1: 2	3: 3	6: 11	24: 1		6 SEP	3	4.5	1: 1	2: 2	3: 3		
										6: 4	24: 2				
20 AUG	3	4.5	2: 1	6: 6	23: 4	24: 1		7 SEP	3	5.0	1: 6	6: 1	24: 1		
								9 SEP	3	5.0	1: 1	2: 2	3: 1		
21 AUG	3	5.5	1: 2	3: 4	6: 4	24: 2		10 SEP	3	11.0	6: 1	21: 4	23: 1		
										24: 1					
21 AUG	3	8.0	6: 3	21: 2	23: 2	24: 3		10 SEP	2	7.0	1: 3	12: 1			
										24: 2					
21 AUG	3	4.5	1: 19	8: 2	56: 1	78: 1		11 SEP	3	11.0	6: 4	21: 5	23: 4		
										24: 2					
21 AUG	2	6.0	1: 12	3: 4	8: 4	29: 1		11 SEP	3	4.0	1: 1	6: 3	23: 2		
								13 SEP	3	4.5	1: 4	3: 4	6: 1		
22 AUG	3	9.0	1: 4	6: 5	24: 1			14 SEP	3	5.0	1: 3	3: 2	6: 6		
23 AUG	3	4.5	1: 5	3: 2	6: 1						23: 1				
23 AUG	2	7.0	1: 18	8: 4				16 SEP	3	4.5	1: 2	2: 1	6: 7		
23 AUG	3	4.0	1: 4	12: 1	14: 1						24: 4				
23 AUG	2	8.0	1: 5	12: 1	36: 2			17 SEP	3	11.0	21: 6	23: 2	24: 1		
25 AUG	3	10.0	1: 2	11: 5	21: 2	39: 2				55: 1					
								17 SEP	2	5.0	1: 8	3: 1	12: 3		
26 AUG	3	6.5	1: 11	3: 2	6: 8	24: 2		18 SEP	3	7.0	21: 1	23: 1	24: 1		
								19 SEP	3	4.5	1: 2	23: 7	24: 2		
26 AUG	3	10.0	21: 5	24: 2	55: 1			21 SEP	3	10.0	2: 1	6: 11	23: 13		
26 AUG	3	4.5	2: 1	24: 14	56: 1					55: 1					
27 AUG	3	6.0	8: 18	29: 2	36: 1			22 SEP	3	4.5	1: 2	6: 5	23: 6		
27 AUG	2	9.0	1: 12	2: 2	6: 1			24 SEP	3	9.0	1: 6	2: 2	6: 14		
27 AUG	3	4.0	1: 4	3: 1	24: 3						23: 11				
27 AUG	3	8.0	11: 2	24: 15				24 SEP	3	1.0	1: 11	29: 6			
27 AUG	2	8.0	1: 14	2: 1	24: 3			25 SEP	2	6.0	1: 10	3: 2	8: 2		
28 AUG	2	8.0	1: 10	2: 1	12: 4	36: 3		25 SEP	3	4.0	1: 1	23: 2	24: 1		
								25 SEP	3	4.0	1: 4	2: 2	6: 6		
31 AUG	3	5.0	1: 17	3: 2	24: 7	56: 2					23: 2				
								28 SEP	3	4.5	1: 1	6: 11	23: 6		
31 AUG	3	4.5	1: 6	6: 1	12: 2	24: 1		28 SEP	3	4.0	23: 1				
								29 SEP	3	4.5	1: 5	6: 2	23: 1		
1 SEP	3	4.5	1: 2	3: 6	6: 8						24: 1				
1 SEP	3	4.0	1: 6	3: 3	24: 6	29: 1					1: 2	6: 12	23: 8		
											8.0				
1 SEP	2	8.0	1: 8	12: 2				1 OCT	3	11.0	21: 2	23: 4	24: 5		
3 SEP	3	4.5	1: 7	3: 1				1 OCT	3	2.0	29: 1				
3 SEP	2	4.0	1: 6	12: 3				1 OCT	2	7.0	1: 12	3: 3	8: 5		

APPENDIX TABLE 29 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --						DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					
			12: 2	6: 4	22: 2	1: 11	3: 1	6: 4				10.0+	6: 5	10: 1	5.0	1: 1	10: 1
1 OCT	2	7.0+	12: 2						11 NOV	3	10.0+	6: 5	10: 1				
2 OCT	3	11.0	2: 1	6: 4	22: 2				13 NOV	3	5.0	1: 1	10: 1				
			23: 6	24: 1					16 NOV	3	5.0	4: 1	10: 3				
4 OCT	3	4.5	1: 11	3: 1	6: 4				18 NOV	3	2.5	10: 1	12: 6				
			23: 2						20 NOV	3	10.0	1: 6	3: 5	6: 14			
7 OCT	3	4.5	4: 4	23: 3	24: 2							12: 2					
8 OCT	3	10.0	6: 3	21: 2	22: 1				23 NOV	3	4.5	1: 2	12: 3				
			23: 6	24: 1					26 NOV	3	6.0	1: 1	2: 1	6: 4			
8 OCT	2	3.0	1: 8						27 NOV	3	5.0	6: 2					
9 OCT	3	5.0	1: 14	7: 11					1 DEC	3	5.0	1: 1	6: 6				
9 OCT	3	4.5	1: 1	3: 4	6: 2												
			23: 5														
9 OCT	3	4.5	29: 2														
11 OCT	3	5.0	10: 1														
12 OCT	3	4.5	1: 1	6: 12	23: 6												
13 OCT	3	5.0															
14 OCT	3	4.0	1: 1	23: 3													
14 OCT	3	5.0	1: 2	7: 6	23: 1												
			24: 2														
15 OCT	3	4.0	22: 1	23: 3													
15 OCT	3	4.0	1: 1	7: 2	10: 1												
			24: 8														
15 OCT	2	3.0	1: 10														
16 OCT	3	5.0	6: 2	22: 1	23: 3												
17 OCT	3	4.5	1: 2	2: 1	3: 8												
			10: 1														
18 OCT	3	5.0	3: 6	4: 1	10: 1												
19 OCT	3	4.0	6: 2	23: 1	24: 1												
21 OCT	3	4.5	1: 1	6: 4													
22 OCT	3	5.0	6: 3	23: 2													
22 OCT	3	4.5	2: 1	6: 7	24: 2												
23 OCT	3	5.0	1: 2	6: 4	24: 4												
23 OCT	3	4.0	3: 1	6: 3	23: 5												
27 OCT	3	4.5	1: 5	3: 11	6: 2												
29 OCT	3	10.0	4: 1	10: 3													
29 OCT	3	4.0	1: 1	6: 2	23: 3												
30 OCT	3	10.0	4: 4	10: 3	12: 1												
1 NOV	3	4.5	10: 1	12: 6													
3 NOV	3	5.0	1: 2	3: 8	6: 4												
			12: 1														
3 NOV	2	5.0	10: 1	24: 1													
4 NOV	3	4.0	6: 1	23: 1													
5 NOV	3	6.0	1: 1	11: 7	13: 1												
			23: 3	29: 1													
6 NOV	3	5.0	4: 1	10: 2	12: 1												
6 NOV	3	5.0	11: 5	13: 1	23: 2												
11 NOV	3	10.0	1: 11	2: 2	3: 6												

APPENDIX TABLE 30. LOGGED 1983 NON-TROLLING CATCH AND EFFORT FROM SOUTH TEXAS

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —					DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —						
			4:	1	58:	8					4:	14	9:	3	31:	16	
2 APR	1	3.5	4:	1	58:	8		7 OCT	1	4.0	4:	14	9:	3	31:	16	
8 APR	1	3.0	4:	3	58:	6				34:	2	70:	2	76:	2		
9 APR	1	2.0	58:	3				8 OCT	2	2.0	4:	2	14:	41	36:	3	
21 APR	3	1.5	6:	4				8 OCT	1	6.0	9:	1	20:	1	28:	38	
23 APR	1	4.0	4:	1	34:	1		9 OCT	3	2.0	14:	21	29:	2			
25 APR	2	5.0	14:	48	34:	8	37:	3	10 OCT	1	4.0	4:	9	30:	9	31:	16
			43:	1	61:	1	84:	1	11 OCT	1	5.0	4:	7	30:	7	31:	12
3 MAY	1	5.0	9:	3	28:	4	31:	40			73:	1					
			34:	1	90:	2		13 OCT	1	4.0	4:	26	31:	9	43:	2	
5 MAY	2	4.5	1:	4	14:	45	20:	7			70:	2	73:	1			
			56:	3	76:	8	127:	1	15 OCT	2	2.0	7:	6	14:	11	29:	1
13 MAY	1	4.5	4:	4	90:	1		15 OCT	3	6.0	2:	1	5:	8	11:	1	
21 MAY	1	8.0	45:	6	73:	11				13:	37	14:	10	20:	5		
26 MAY	2	1.0	14:	13	36:	2	76:	1	15 OCT	1	4.0	4:	1				
27 MAY	1	5.0	4:	5	34:	1		16 OCT	1	4.0	3:	1	4:	1	5:	2	
28 MAY	1	5.0	4:	8	34:	1					20:	1	28:	33	84:	3	
29 MAY	1	4.5	4:	1				20 OCT	4	5.0	4:	1	31:	12			
4 JUN	2	8.0	27:	21	28:	5	70:	2	21 OCT	4	5.0	4:	4	31:	8		
6 JUN	1	5.0	4:	1	5:	2	9:	5	21 OCT	2	5.0	1:	4	14:	40	20:	7
			28:	2	31:	56	90:	5	22 OCT	3	5.0	5:	3	13:	11	14:	35
7 JUN	1	5.0	4:	3	31:	6					18:	1	20:	5			
9 JUN	1	3.0	31:	10				22 OCT	2	3.0	14:	37					
9 JUN	2	0.5	14:	2				22 OCT	4	5.0	4:	3	31:	17			
18 JUN	1	3.0	4:	5	70:	1		23 OCT	1	4.0	2:	2	14:	31			
19 JUN	1	3.0	4:	1				24 OCT	4	4.0	4:	2	31:	12			
25 JUN	2	8.0	1:	2	29:	3		25 OCT	4	4.0	31:	18					
10 JUL	6	1.0	14:	12				26 OCT	4	4.0	4:	4	31:	12			
11 JUL	6	0.5	14:	3				27 OCT	4	4.0	4:	9	31:	22			
22 JUL	3	0.5	14:	5				29 OCT	1	4.0	9:	1	27:	43	28:	1	
5 AUG	2	6.0	2:	1	14:	24		31 OCT	2	6.0	7:	11	14:	71	20:	9	
6 AUG	2	0.5	14:	4	45:	1		1 NOV	3	6.0	5:	5	13:	14	14:	3	
26 AUG	3	1.0	14:	31							20:	13					
31 AUG	3	0.5	14:	2				2 NOV	1	6.0	58:	30					
2 SEP	2	7.0	2:	1	14:	17	17:	1	4 NOV	1	6.0	4:	6	28:	21	31:	29
			56:	2				4 NOV	2	6.0	14:	20	27:	5	28:	12	
5 SEP	1	3.0						5 NOV	1	5.0	4:	4	82:	1			
9 SEP	3	8.0	2:	2	13:	1	14:	18	7 NOV	1	6.0	4:	1	20:	5	27:	6
10 SEP	1	4.0	4:	8	58:	10		9 NOV	1	6.0	58:	30					
11 SEP	1	5.0	58:	15				12 NOV	1	6.0	4:	3	27:	12	28:	23	
16 SEP	1	4.0						14 NOV	1	6.0	58:	30					
17 SEP	1	3.0						15 NOV	1	4.0	4:	2	28:	18	31:	6	
19 SEP	1	7.0	4:	2	70:	11	73:	5	15 NOV	1	4.0	28:	23	31:	50		
24 SEP	3	2.0	14:	19				16 NOV	1	6.0	58:	30					
1 OCT	3	1.0	14:	4	20:	1		20 NOV	1	4.0	4:	3					
3 OCT	3	6.0	5:	1	9:	1	13:	1	23 NOV	1	6.0	58:	30				
			14:	54	20:	10	43:	1	25 NOV	3	4.0	5:	12	20:	6	28:	3
5 OCT	1	4.0	34:	6	43:	16		30 NOV	1	6.0	58:	30					

APPENDIX TABLE 30 (CONTINUED).

DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				DATE	ZONE	HOURS FISHED	— CATCH PER SPECIES —				
4 DEC	1	7.0	4:	11	28:	40	31:	32						

APPENDIX TABLE 31. LOGGED 1983 TROLLING CATCH AND EFFORT FROM U.S. CARIBBEAN

DATE	ZONE	HOURS FISHED			HOURS FISHED		
		— CATCH PER SPECIES —			— CATCH PER SPECIES —		
20 MAR	3	4.0			20 MAY	3	6.0+
22 MAR	3	6.0	24:	7	20 MAY	3	6.0
23 MAR	3	6.0	24:	2	21 MAY	3	6.0
24 MAR	3	6.0	24:	6	24 MAY	3	3.0
25 MAR	3	6.0	24:	2 55: 1	25 MAY	3	3.0
26 MAR	3	6.0	24:	1	26 MAY	3	6.0
28 MAR	3	6.0	24:	5 38: 1 55: 1			57: 1
29 MAR	3	6.0	22:	1 24: 17	27 MAY	3	3.0
30 MAR	3	4.0			27 MAY	3	7.0
31 MAR	3	6.0	24:	7	28 MAY	3	3.0
1 APR	3	6.0	24:	5	29 MAY	3	7.0
2 APR	3	6.0	24:	4	29 MAY	3	7.0
3 APR	3	6.0	8:	2 24: 3	30 MAY	3	7.0
6 APR	3	6.0			30 MAY	3	7.0
7 APR	3	6.0			31 MAY	3	6.0
8 APR	3	6.0			1 JUN	3	3.0
9 APR	3	6.0	24:	8	2 JUN	3	4.5
10 APR	3	6.0			3 JUN	3	7.0
10 APR	3	7.0	8:	1 22: 1 40: 1	4 JUN	3	3.0
11 APR	3	8.0	11:	1 24: 1	5 JUN	3	6.0
11 APR	3	3.0			5 JUN	3	7.0
12 APR	3	6.0			5 JUN	3	8:
12 APR	3	8.0	1:	5	5 JUN	3	1.0
13 APR	3	6.0			7 JUN	3	4.0
14 APR	3	4.0	11:	1 25: 1	8 JUN	3	4.0
16 APR	3	7.0	21:	1 24: 1	11 JUN	3	6.0
17 APR	3	6.0			12 JUN	3	3.0
17 APR	3	5.0	1:	1 8: 1	12 JUN	3	6.0
19 APR	3	6.0			14 JUN	3	3.0
20 APR	3	6.0			15 JUN	3	3.0
20 APR	4	5.0	86: 1		16 JUN	3	3.0
21 APR	3	6.0			16 JUN	3	7.0
22 APR	3	3.0			17 JUN	3	3.0
23 APR	3	3.0			18 JUN	3	6.0
24 APR	3	6.0	24:	2	18 JUN	3	7.0
25 APR	3	3.0			19 JUN	3	6.0
26 APR	3	6.0	22:	1 24: 1	20 JUN	3	7.0
27 APR	3	3.0	24:	2	21 JUN	3	7.0
29 APR	3	5.5	11:	7 25: 1	22 JUN	3	7.0
30 APR	3	8.0	11:	1	22 JUN	3	3.5
4 MAY	3	4.0	25:	1			1: 1 6: 1 11: 1
12 MAY	3	8.0	7:	1 24: 3 57: 1	23 JUN	3	7.0
			78:	1	24 JUN	3	7.0
14 MAY	3	7.0	6:	1	25 JUN	3	7.0
18 MAY	3	3.0			26 JUN	3	7.0
18 MAY	3	6.0	23:	2	26 JUN	3	2.0
20 MAY	3	6.0	1:	1 11: 2 24: 3	27 JUN	3	7.0

APPENDIX TABLE 31 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --					DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --						
27 JUN	3	3.5	11:	1	25:	2	86:	2	26 JUL	3	6.0	38:	1				
28 JUN	3	7.0							26 JUL	3	7.0	38:	2				
29 JUN	3	7.0	38:	1					27 JUL	3	7.0	38:	1				
29 JUN	3	7.0	6:	1					27 JUL	3	7.5	11:	1	38:	1		
29 JUN	3	3.0							27 JUL	3	7.0	38:	1				
30 JUN	3	7.0							28 JUL	3	6.5	38:	1				
30 JUN	3	7.0	38:	1					28 JUL	3	7.0	38:	1				
1 JUL	3	7.0							29 JUL	3	7.0	38:	1				
2 JUL	3	6.0							30 JUL	3	7.0	38:	1				
2 JUL	3	7.0							30 JUL	3	8.0	38:	1				
2 JUL	3	7.0							31 JUL	3	7.5	24:	1	38:	1		
3 JUL	3	7.0							1 AUG	3	8.0						
3 JUL	3	6.0	38:	1					1 AUG	3	7.5	11:	1				
4 JUL	3	6.0	22:	1					2 AUG	3	7.0	38:	1				
4 JUL	3	7.0							3 AUG	3	7.0						
4 JUL	3	7.0							4 AUG	3	7.0						
5 JUL	3	3.5	1:	1	11:	3	25:	1	5 AUG	3	7.0						
5 JUL	3	6.0							5 AUG	3	7.0	1:	2	11:	4	25:	2
7 JUL	3	3.0							6 AUG	3	6.0						
10 JUL	3	5.0							7 AUG	3	7.0						
10 JUL	3	1.0	1:	1					8 AUG	3	7.0	38:	1				
11 JUL	3	5.0	8:	2	21:	2	23:	1	8 AUG	3	7.0	1:	1	11:	1	25:	1
14 JUL	3	3.0	1:	1	11:	2	25:	3	9 AUG	3	7.0						
15 JUL	3	5.0	21:	2	38:	1			10 AUG	3	7.0						
16 JUL	3	6.0	38:	2					11 AUG	3	7.0						
16 JUL	3	7.0							11 AUG	3	3.5	11:	1				
17 JUL	3	7.0	38:	1					12 AUG	3	6.0	6:	1	11:	1	57:	1
17 JUL	3	5.5							12 AUG	3	7.0	38:	1				
18 JUL	3	6.0	38:	1					13 AUG	3	7.0	38:	1				
18 JUL	3	7.0	38:	1					13 AUG	3	3.5	11:	1	86:	1		
19 JUL	3	7.0	38:	1					14 AUG	3	7.0						
19 JUL	3	6.0							14 AUG	3	7.0						
20 JUL	3	5.0							15 AUG	3	7.0						
20 JUL	3	7.0	24:	1					15 AUG	3	7.0						
21 JUL	3	7.0	38:	1					15 AUG	3	3.5	1:	2	11:	4		
21 JUL	3	6.0	38:	1					16 AUG	3	3.5	11:	1	25:	1	86:	2
22 JUL	3	6.0	38:	4					16 AUG	3	7.0						
22 JUL	3	7.0	38:	3					16 AUG	3	7.0						
22 JUL	3	4.5	8:	1	11:	4	12:	1	17 AUG	3	7.0						
23 JUL	3	7.0	38:	2					17 AUG	3	7.0						
23 JUL	3	6.0							18 AUG	3	7.0	38:	2				
24 JUL	3	6.0							18 AUG	3	7.0	38:	1				
24 JUL	3	7.0	38:	1					19 AUG	3	7.0						
24 JUL	3	7.5	38:	1					19 AUG	3	7.0						
25 JUL	3	7.5	1:	2	11:	2			19 AUG	3	7.0	11:	1				
25 JUL	3	7.0	38:	2					20 AUG	3	7.0						
25 JUL	3	7.0							21 AUG	3	7.0						

APPENDIX TABLE 31 (CONTINUED).

DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --			DATE	ZONE	HOURS FISHED	-- CATCH PER SPECIES --		
21 AUG	3	7.0	38:	1		5 OCT	3	4.5	11:	3	
22 AUG	3	7.0				7 OCT	3	3.0			
22 AUG	3	7.0	38:	1		8 OCT	3	3.0			
23 AUG	3	7.0	21:	1		9 OCT	3	8.0			
23 AUG	3	7.0	38:	1		10 OCT	3	3.0			
24 AUG	3	7.0	38:	1		10 OCT	3	3.5	1:	4	8: 1 11: 3
24 AUG	3	7.0	38:	1		11 OCT	3	7.0			
25 AUG	3	7.0	38:	2		12 OCT	3	7.0	21:	1	
25 AUG	3	7.0	38:	1		12 OCT	3	3.5	8:	1	
26 AUG	3	7.0	38:	1		13 OCT	3	3.5	1:	1	8: 1 11: 3
26 AUG	3	6.0				13 OCT	3	8.0			
27 AUG	3	7.0	38:	1		14 OCT	3	8.0	39:	1	
27 AUG	3	7.0	38:	1		15 OCT	3	8.0			
28 AUG	3	7.0	38:	1		15 OCT	3	7.0	1:	1	75: 1
29 AUG	3	7.0	11:	1	24: 1	16 OCT	3	3.0			
1 SEP	3	7.0	1:	3	6: 1 11: 3	17 OCT	3	3.0			
1 SEP	3	3.0				19 OCT	3	3.0			
2 SEP	3	3.5	1:	1	11: 5	19 OCT	3	4.5	11:	3	
3 SEP	3	3.5	1:	3	11: 2	20 OCT	3	3.0	38:	1	
3 SEP	3	6.0	13:	1		21 OCT	3	6.0			
4 SEP	3	3.0				22 OCT	3	8.0	39:	1	
11 SEP	3	6.5	11:	1	86: 2	22 OCT	3	7.5	1:	1	11: 1 39: 1
14 SEP	3	9.0				23 OCT	3	8.0	38:	1	
15 SEP	3	9.0				26 OCT	3	3.5	86:	1	
16 SEP	3	6.0	38:	1		27 OCT	3	3.5	8:	3	11: 5
17 SEP	3	8.0				28 OCT	3	3.0			
17 SEP	3	3.5	11:	2	86: 1	29 OCT	3	6.0	68:	2	
18 SEP	3	9.0				29 OCT	3	3.5	8:	1	11: 1
20 SEP	3	3.0				31 OCT	3	7.5	1:	3	6: 3 7: 3
21 SEP	3	3.0	38:	1	68: 1	1 NOV	3	6.0	38:	1	
22 SEP	3	6.0	38:	1		2 NOV	3	7.0	11:	1	22: 1
23 SEP	3	6.0	38:	1		3 NOV	3	3.0	24:	1	
23 SEP	3	7.5	7:	1	11: 1	5 NOV	3	6.0	38:	1	39: 1
23 SEP	3	6.0	38:	1		6 NOV	3	6.0	39:	1	
24 SEP	3	6.0				6 NOV	3	7.5	6:	1	
25 SEP	3	3.0				7 NOV	3	6.0	21:	2	24: 1
26 SEP	3	3.0				8 NOV	3	6.0	22:	1	
27 SEP	3	3.0	21:	3		8 NOV	3	7.5	1:	2	6: 1 68: 1
28 SEP	3	8.0	21:	1		9 NOV	3	7.5	1:	1	24: 1 68: 1
29 SEP	3	3.0				9 NOV	3	6.0	11:	1	22: 1
29 SEP	3	7.0	39:	1	55: 3	10 NOV	3	7.0			
29 SEP	3	6.0	1:	1	24: 1	12 NOV	3	7.0			
30 SEP	3	7.0	11:	1	24: 5 39: 1	13 NOV	3	7.0			
			55:	2		13 NOV	3	5.0	11:	2	22: 1 23: 1
1 OCT	3	7.0	39:	2	55: 5	15 NOV	3	7.0			
1 OCT	3	6.0				16 NOV	3	3.0			
3 OCT	3	3.0				16 NOV	3	3.5	6:	4	8: 1 11: 1

APPENDIX TABLE 31 (CONTINUED).

DATE	ZONE	FISHED	HOURS						DATE	ZONE	FISHED	HOURS					
			-- CATCH PER SPECIES ---									-- CATCH PER SPECIES ---					
16 NOV	3	3.5+	23:	1	86:	1											
17 NOV	3	3.5	1:	2	6:	4	11:	1									
					86:	2											
17 NOV	3	3.0	39:	1													
19 NOV	3	7.0	22:	1													
20 NOV	3	7.0	55:	1													
20 NOV	3	7.5	22:	3	25:	1											
22 NOV	3	3.0															
25 NOV	3	6.0	21:	1													
26 NOV	3	6.0	22:	2													
26 NOV	3	7.5	1:	3	6:	2	8:	1									
					86:	1											
27 NOV	3	7.5	11:	2	22:	1	74:	1									
27 NOV	3	3.0	22:	1	24:	2											
28 NOV	3	3.0															
28 NOV	3	3.5	1:	2	6:	1	11:	1									
30 NOV	3	3.0	22:	1	24:	11	55:	1									
1 DEC	3	6.0	24:	1													
1 DEC	3	4.5	6:	1													
2 DEC	3	6.0	21:	6													
3 DEC	3	7.0	21:	2	22:	3	24:	2									
15 DEC	3	4.5	6:	5	11:	1	86:	1									
16 DEC	3	4.5	6:	6													
17 DEC	3	5.5	6:	3	8:	1	74:	1									
26 DEC	3	3.5	6:	3	11:	2											
27 DEC	3	3.5	74:	1	88:	1											
28 DEC	3	6.0	1:	2	6:	2	11:	4									
					23:	1	24:	1	68:	1							
29 DEC	3	7.5	6:	2	7:	1	11:	1									
					25:	1											
30 DEC	3	7.0	6:	6	11:	3	23:	1									
					25:	1											
31 DEC	3	4.5	1:	3	6:	4	8:	2									
					25:	1											

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